

Item No		Amount
	<p><u>SECTION 1</u></p> <p><u>BILL NO 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable".</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p> <p><u>DEFINITIONS AND INTERPRETATION</u></p>	
1	<p>Clause 1.0</p> <p>Clause 1.1 is amended by the addition of the following clause:</p> <p>Clause 1.10 The copyright in all contract documents, contract drawings and records (irrespective of who prepared any of the aforesaid) related in any manner to the works shall vest in the employer and the contractor shall not furnish any information in connection with the works to any person or organization without the prior written approval of the employer to this effect other than subcontractors appointed for purposes of this agreement.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	
	Carried to Collection	R
	<p>Section No. 1</p> <p>SECTION 1 - PRELIMINARIES</p> <p>Bill No. 1</p> <p>Preliminaries</p>	

OBJECTIVE AND PREPARATION**OFFER, ACCEPTANCE AND PERFORMANCE**

2 Clause 2.0

Fixed: _____ Value related: _____ Time related: _____

DOCUMENTS

3 Clause 3.0

Clause 3.5 no clause

Clause 3.7 is amended by the addition of the following:

The **contractor** shall keep a copy of all drawings, schedules, unpriced **bills of quantities/lump sum document, contract instructions**, minutes of site and other meetings, health and safety files as specified in the scope of work, risk register, claims and variation order register, labour records and subcontractors contracts on the **site** to which the **employer, principal agent** and **agents** shall have access at all times. The **employer** has the right to call for such further information from the **contractor** it deems necessary in the event it carries out any investigation or audit into potential fraud, corruption, fronting, health and safety incidents or verifying information the **contractor** has to supply to the **employer** in terms of this agreement. The Contractor shall ensure a similar right for the Employer with its subcontractors.

Clause 3.10 is amended by replacing the first reference to "**principal agent**" with the word "**employer**"

Fixed: _____ Value related: _____ Time related: _____

DESIGN RESPONSIBILITY

4 Clause 4.0

Fixed: _____ Value related: _____ Time related: _____

EMPLOYER'S AGENTS

5 Clause 5.0

Fixed: _____ Value related: _____ Time related: _____

SITE REPRESENTATIVE

6 Clause 6.0

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

COMPLIANCE WITH REGULATIONS

7 Clause 7.0

Clause 7 is amended by the addition of the following clauses:

Clause 7.3 The Occupational Health and Safety Act No. 85 of 1993 and the Construction Regulations 2014 will in all respects be applicable to this contract. All obligations in respect of health and safety requirements of the Contractor are set out in the Scope of Work

Clause 7.3.1 Notwithstanding any actions which the **employer** may take, the **contractor** accepts sole liability for due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures imposed by the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and all its regulations, including the Construction Regulations, 2014, for which the **contractor** is liable as mandatory. By entering into this **agreement** it shall be deemed that the parties have agreed in writing to the above provisions in terms of Section 37 (2) of the Act and will enter into the mandatory agreement as set out in the Scope of Work. This clause will be sufficient to establish the mandatory obligations of the **contractor** in the event the parties fail to execute the aforesaid mandatory agreement.

Note: The provisions herein include inter alia, compliance with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor

Fixed: _____ Value related: _____ Time related: _____

WORKS RISK

8 Clause 8.0

Fixed: _____ Value related: _____ Time related: _____

INDEMNITIES

9 Clause 9.0

Fixed: _____ Value related: _____ Time related: _____

WORKS INSURANCES

10 Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

10.5 Damage to the Works

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, 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
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable 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, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**
- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

(f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High risk insurance

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 subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the **commencement date** of the **works** 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

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

10.7.2 Injury to persons or loss of or damage to property

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

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 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

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the contractor shall, within twenty-one (21) **calendar days** of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

10.7.4 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 10.7.1; 10.7.2 and 10.7.3. 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

Fixed: _____ Value related: _____ Time related: _____

LIABILITY INSURANCES

11 Clause 11.0

Fixed: _____ Value related: _____ Time related: _____

EFFECTING INSURANCES

12 Clause 12.0

Fixed: _____ Value related: _____ Time related: _____

13 Clause 13

No Clause

Fixed: _____ Value related: _____ Time related: _____

SECURITY

14 Clause 14.0

Sub- clause 14.1 amend to read:

The **employer** shall have the right to choose the **security** to be provided in terms of 14.3 or 14.4 as stated in the **schedule**. The **contractor** shall provide the **security** required or chosen by the **employer** in the **schedule** substantially in the format prescribed in the tender documents that the **contractor** submitted a tender offer. The required **security** shall be provided in the time period prescribed by the **employer** in the conditional letter of acceptance of the **contractor's** tender offer.

Amend sub-clause 14.3.1

Replace "twelve point five percent (12.5%)" with "ten percent (10%)".

Amend sub-clause 14.4.1

Replace "seven point five percent (7.5%)" with "ten percent(10%)".

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

Amend sub-clause 14.7.1:

Replace “two point five percent (2.5%)” with “five percent (5%)”.

Add sub-clause 14.9

A payment reduction of ten (10%) of the value of each **payment certificate** up to a maximum of ten (10%) of the **contract sum** will be applied until **practical completion**. At **practical completion** the amount withheld will be reduced to five (5%), which amount will reduce to nil (0%) when the **final account** is issued.

Fixed: _____ Value related: _____ Time related: _____

EXECUTION

PREPARATION FOR AND EXECUTION OF THE WORKS

15 Clause 15.0

Clause 15.1 is amended by replacing “**principal agent**” with “**employer**”

Clause 15.1.1 is amended by replacing it with:

No clause

Fixed: _____ Value related: _____ Time related: _____

ACCESS TO THE WORKS

16 Clause 16.0

Fixed: _____ Value related: _____ Time related: _____

CONTRACT INSTRUCTIONS

17 Clause 17.0

Fixed: _____ Value related: _____ Time related: _____

SETTING OUT OF THE WORKS

18 Clause 18.0

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

ASSIGNMENT

19 Clause 19.0

Fixed: _____ Value related: _____ Time related: _____

NOMINATED SUBCONTRACTORS

20 Clause 20.0

Clause 20.1.3 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

SELECTED SUBCONTRACTORS

21 Clause 21.0

Fixed: _____ Value related: _____ Time related: _____

EMPLOYER'S DIRECT CONTRACTORS

22 Clause 22.0

Fixed: _____ Value related: _____ Time related: _____

CONTRACTOR'S DOMESTIC SUBCONTRACTORS

23 Clause 23.0

Clause 23 is amended by the addition of the following clauses:

Clause 23.3

The contractor may not subcontract the whole of the work without the written instruction or approval of the employer. In such event the employer may require the contractor to cede the contract to the subcontractor."

Clause 23.4

The subcontractors appointed by the contractor to comply with the developmental and transformation requirements from the employer in terms of applicable legislation, including but not limited to the Preferential Procurement Policy Framework Act, 5 of 2000, and regulation thereto, will be domestic subcontractors for purposes of this agreement, and sub-clauses 23.1 and 23.2 will apply accordingly.

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection**R**

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

COMPLETION**PRACTICAL COMPLETION**

24 Clause 24.0

Fixed: _____ Value related: _____ Time related: _____

WORKS COMPLETION

25 Clause 25.0

Fixed: _____ Value related: _____ Time related: _____

FINAL COMPLETION

26 Clause 26.0

Fixed: _____ Value related: _____ Time related: _____

LATENT DEFECTS LIABILITY PERIOD

27 Clause 27.0

Fixed: _____ Value related: _____ Time related: _____

SECTIONAL COMPLETION

28 Clause 28.0

Fixed: _____ Value related: _____ Time related: _____

REVISION OF DATE FOR PRACTICAL COMPLETION

29 Clause 29.0

Fixed: _____ Value related: _____ Time related: _____

PENALTY FOR NON-COMPLETION

30 Clause 30.0

Clause 30 is amended by replacing reference to "36.3" at end of sentence with "36.0"

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

PAYMENT**INTERIM PAYMENT TO THE CONTRACTOR**

31 Clause 31.0

Clause 31.9 is amended by replacing the words "seven (7) **calendar days**" in the first line by the words "thirty (30) **calendar days**"

Clause 31.12 is amended by deleting the following:

Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due

Fixed: _____ Value related: _____ Time related: _____

ADJUSTMENT TO THE CONTRACT VALUE

32 Clause 32.0

Clauses 32.13 is amended with the addition of the following:

CPAP shall only be applicable to works that progress to later than twelve (12) months from commencement date. Where the period is prolonged beyond the first twelve months due to the delay or non- performance by the employer, the CPAP shall be applicable; however where the period is extended due contractor's failure to perform or delay caused by the contractor CPAP shall not be applicable. The contract value is to be adjusted using CPAP indices. The base month to be used to calculate CPAP is tender closing date. The value of the certificates issued shall be adjusted in accordance with the JBCC Contract Price Adjustment Schedules, from the thirteenth month of the works.

Fixed: _____ Value related: _____ Time related: _____

RECOVERY OF EXPENSE AND LOSS

33 Clause 33.0

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection**R**

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

FINAL ACCOUNT AND FINAL PAYMENT

34 Clause 34.0

Clause 34.2 is amended by inserting “#” next to 34.2

Clause 34.13 is amended by deleting the words “subject to the **employer** giving the **contractor** a tax invoice for the amount due

Fixed: _____ Value related: _____ Time related: _____

PAYMENT TO OTHER PARTIES

35 Clause 35.0

Fixed: _____ Value related: _____ Time related: _____

CANCELLATION**CANCELLATION BY EMPLOYER – CONTRACTOR’S DEFAULT**

36 Clause 36.0

Clause 36.1 is amended by the addition of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of the conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract

Clause 36.3 is amended by removing the reference to “No clause” and replacing the words “principal agent” with “employer”

Clause 36.0 is amended by the addition of the following clause:

36.7 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

CANCELLATION BY EMPLOYER – LOSS AND DAMAGE

37 Clause 37.0

Clause 37.3.5 is amended by replacing “ninety (90)” with “one-hundred and twenty (120)”

Clause 37.0 is amended by the addition of the following clause:

37.5 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The contractor shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: _____ Value related: _____ Time related: _____

CANCELLATION BY CONTRACTOR – EMPLOYER’S DEFAULT

38 Clause 38.0

Clause 38.5.4 is amended by replacing “ninety (90)” with “one-hundred and twenty (120)”

Clause 38.0 is amended by the addition of the following clause:

38.7 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: _____ Value related: _____ Time related: _____

CANCELLATION – CESSATION OF THE WORKS

39 Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence:
“within one hundred and twenty (120) **working days** of completion of such a report”

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

DISPUTE**DISPUTE SETTLEMENT**

40 Clause 40.0

Clause 40.0 is amended by removing all state clause amendments

Fixed: _____ Value related: _____ Time related: _____

SUBSTITUTE PROVISIONS**STATE CLAUSES**

41 Clause 41.0

Clause 41.1.3 Is amended to read "**CONSTRUCTION PERIOD**" means the period commencing on the date on which possession of site is given to the contractor as stated in the schedule and ending on the date of practical completion

Add sub- clause 41.1.4

Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**, or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a stated date and withdraw himself from the **site**. The contractor shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever.

Add sub- clause 41.1.5

Should the **contractor** fail to proceed with a **contract instruction** with due diligence, the **principal agent** may give **notice** to the **contractor** to proceed within five (5) **working days** of receipt of such **notice**. Where the **contractor** remains in default, the employer may engage others to carry out such contract instructions and recover expenses and/or loss incurred.

Clause 39.2 Is amended by replacing the third sentence with the following:

The **employer** shall pay the **contractor** all amounts due in terms of the contract for work completed at the date of termination or cancellation in terms of this clause 39.2, including retention money after deducting any amounts due to the **employer**. The **employer** will also return any guarantees still valid to the **contractor** after such cancellation.

Clauses 39.2.1 to 39.2.3

Amend to no clause

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

Clauses 21.0

Delete no clause

Fixed:_____ Value related:_____ Time related:_____

CONTRACT VARIABLES

THE SCHEDULE (C1.2.2: CONTRACT SPECIFIC DATA)

PRE-TENDER INFORMATION

42 Clause 42.0
Tenderers are referred to the document C1.2.2: Contract Specific Data for variables pertaining to this contract

Fixed:_____ Value related:_____ Time related:_____

SECTION B: JBCC PRELIMINARIES

DEFINITIONS AND INTERPRETATION

43 **B 1.1 Definitions and interpretation**

Fixed:_____ Value related:_____ Time related:_____

DOCUMENTS

44 **B 2.1 Checking of documents**

Fixed:_____ Value related:_____ Time related:_____

45 **B 2.2 Provisional bills of quantities**

Fixed:_____ Value related:_____ Time related:_____

46 **B 2.3 Availability of construction documentation**

Fixed:_____ Value related:_____ Time related:_____

47 **B 2.4 Interests of agents**

Fixed:_____ Value related:_____ Time related:_____

48 **B 2.5 Priced documents**

Fixed:_____ Value related:_____ Time related:_____

Carried to Collection R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

49 **B 2.6 Tender submission**

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance (C1.1)"

Fixed: _____ Value related: _____ Time related: _____

THE SITE50 **B 3.1 Defined works area**

Fixed: _____ Value related: _____ Time related: _____

51 **B 3.2 Geotechnical investigation**

Fixed: _____ Value related: _____ Time related: _____

52 **B 3.3 Site inspection**

Tenderers shall complete the Site Inspection Certificate included in the tender documents and return the same with the tender submission.

Fixed: _____ Value related: _____ Time related: _____

53 **B 3.4 Existing premises occupied**

Fixed: _____ Value related: _____ Time related: _____

54 **B 3.5 Previous work – dimensional accuracy**

Fixed: _____ Value related: _____ Time related: _____

55 **B 3.6 Previous work – defects**

Fixed: _____ Value related: _____ Time related: _____

56 **B 3.7 Services – known**

Fixed: _____ Value related: _____ Time related: _____

57 **B 3.8 Services – unknown**

Fixed: _____ Value related: _____ Time related: _____

58 **B 3.9 Protection of trees**

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

59 **B 3.10 Articles of value**
 Fixed: _____ Value related: _____ Time related: _____

60 **B 3.11 Inspection of adjoining properties**
 Fixed: _____ Value related: _____ Time related: _____

MANAGEMENT OF CONTRACT

61 **B 4.1 Management of the works**
 Fixed: _____ Value related: _____ Time related: _____

62 **B 4.2 Programme for the works**
 Fixed: _____ Value related: _____ Time related: _____

63 **B 4.3 Progress meetings**
 Fixed: _____ Value related: _____ Time related: _____

64 **B 4.4 Technical meetings**
 Fixed: _____ Value related: _____ Time related: _____

65 **B 4.5 Labour and plant records**
 Fixed: _____ Value related: _____ Time related: _____

SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS

66 **B 5.1 Samples of materials**
 Fixed: _____ Value related: _____ Time related: _____

67 **B 5.2 Workmanship samples**
 Fixed: _____ Value related: _____ Time related: _____

68 **B 5.3 Shop drawings**
 Fixed: _____ Value related: _____ Time related: _____

69 **B 5.4 Compliance with manufacturers' instructions**
 Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
 SECTION 1 - PRELIMINARIES
 Bill No. 1
 Preliminaries

TEMPORARY WORKS AND PLANT70 **B 6.1 Deposits and fees**

Fixed: _____ Value related: _____ Time related: _____

71 **B 6.2 Enclosure of the works**

Fixed: _____ Value related: _____ Time related: _____

72 **B 6.3 Advertising**

Fixed: _____ Value related: _____ Time related: _____

73 **B 6.4 Plant, equipment, sheds and offices**

Fixed: _____ Value related: _____ Time related: _____

74 **B 6.5 Main notice board**

Fixed: _____ Value related: _____ Time related: _____

75 **B 6.6 Subcontractors' notice board**

Fixed: _____ Value related: _____ Time related: _____

TEMPORARY SERVICES76 **B 7.1 Location**

Fixed: _____ Value related: _____ Time related: _____

77 **B 7.2 Water**

Fixed: _____ Value related: _____ Time related: _____

78 **B 7.3 Electricity**

Fixed: _____ Value related: _____ Time related: _____

79 **B 7.4 Telecommunication facilities**

Fixed: _____ Value related: _____ Time related: _____

80 **B 7.5 Ablution facilities**

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection**R**

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

PRIME COST AMOUNTS81 **B 8.1 Responsibility for prime cost amounts**

Fixed: _____ Value related: _____ Time related: _____

ATTENDANCE ON N/S SUBCONTRACTORS82 **B 9.1 General attendance**

Fixed: _____ Value related: _____ Time related: _____

83 **B 9.2 Special attendance**

Fixed: _____ Value related: _____ Time related: _____

84 **B 9.3 Commissioning – fuel, water and electricity**

Fixed: _____ Value related: _____ Time related: _____

FINANCIAL ASPECTS85 **B 10.1 Statutory taxes, duties and levies**

Fixed: _____ Value related: _____ Time related: _____

86 **B 10.2 Payment for preliminaries**

Option A will apply and the contractor will not have the right to select Option B

Fixed: _____ Value related: _____ Time related: _____

87 **B 10.3 Adjustment of preliminaries**

Option A will apply and the contractor will not have the right to select Option B

Clauses B10.3.1 and B10.3.2 are amended by replacing “within fifteen (15) **working days** of taking possession of the **site**” with “in his priced **bills of quantities** submitted with his tender offer”

Fixed: _____ Value related: _____ Time related: _____

88 **B 10.4 Payment certificate cash flow**

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection**R**

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

GENERAL89 **B 11.1 Protection of the works**

Fixed: _____ Value related: _____ Time related: _____

90 **B 11.2 Protection / isolation of existing / sectionally occupied works**

Fixed: _____ Value related: _____ Time related: _____

91 **B 11.3 Security of the works**

Fixed: _____ Value related: _____ Time related: _____

92 **B 11.4 Notice before covering work**

Fixed: _____ Value related: _____ Time related: _____

93 **B 11.5 Disturbance**

Fixed: _____ Value related: _____ Time related: _____

94 **B 11.6 Environmental disturbance**

Fixed: _____ Value related: _____ Time related: _____

95 **B 11.7 Works cleaning and clearing**

Fixed: _____ Value related: _____ Time related: _____

96 **B 11.8 Vermin**

Fixed: _____ Value related: _____ Time related: _____

97 **B 11.9 Overhand work**

Fixed: _____ Value related: _____ Time related: _____

98 **B 11.10 Instruction manuals and guarantees**

Fixed: _____ Value related: _____ Time related: _____

99 **B 11.11 As built information**

Fixed: _____ Value related: _____ Time related: _____

100 **B 11.12 Tenant installations**

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection**R**

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

SCHEDULE OF VARIABLES

101

B 12.1 Schedule of variables

Fixed: _____ Value related: _____ Time related: _____

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

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

PRE-TENDER INFORMATION**B 12.1.1 Provisional bills of quantities**

[B 2.2] The quantities are provisional (yes/no) No

B 12.1.2 Availability of construction documentation

[B 2.3] Construction documentation is complete (yes/no) Yes

B 12.1.3 Interests of agents

[B 2.4] Details: NONE

B 12.1.4 Defined works area

[B 3.1] Details: Refer to C4 Site Information

B 12.1.5 Geotechnical investigation

[B 3.2] Details: NONE

B 12.1.6 Existing premises occupied

[B 3.4] Specific requirements: N/A

B 12.1.7 Previous work – dimensional accuracy

[B 3.5] Details: N/A

B 12.1.8 Previous work - defects

[B 3.6] Details: N/A

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

B 12.1.9 Services - known

[B 3.7] Details: N/A

B 12.1.10 Protection of trees

[B 3.9] Specific requirements: Maroela tree must be protected and will be pointed out at site inspection meeting.

B 12.1.11 Inspection of adjoining properties

[B 3.111] Specific requirements: NONE

B 12.1.12 Enclosure of the works

[B 6.2] Specific requirements: The site must be suitably hoarded with at least a 1.8m high diamond mesh fence at all times with a limited number of restricted access points.

B 12.1.13 Offices

[B 6.4.3] Specific requirements:

The **contractor** shall provide, keep clean and maintain and remove on completion of the works, air conditioned offices for the exclusive use of the Employer's **agents comprising the following accommodation requirements:**

6 x Site office which shall be used solely by the Employer's Representative. Such an office shall comprise a minimum of 20m² in area and 3m high, be ventilated, have good lamination, must be reasonably sound proof, and have a hard floor construction. It shall be furnished with a desk with lockable drawers on which drawings can be rolled open and on which there is sufficient writing space and a minimum of three temporary chairs.

Site boardroom which shall be used for site meetings and for the contractor's use. Such an office shall comprise a minimum of 20m² in area and 3m high, be ventilated, have good lamination, must be reasonably sound proof, and have a hard floor construction. It shall be furnished with a desk on which drawings can be rolled open and on which there is sufficient writing space and sufficient temporary chairs or benches to accommodate all persons present at site meetings. **(Minimum 15 seater)**

All windows are to be fitted with burglar bars and offices suitably insulated and ventilated and having good lighting.

The Contractor is required to provide latrine and ablution facilities for the exclusive use of the professional team and client.

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

The following facilities will be supplied to the employers representatives:

- 15 Hardhats for employers representatives visiting the site
- 15 Safety (High visibility) jackets for employer representatives visiting the site
- 15 sets of safety Goggles
- 15 sets of earplugs (when applicable)
- COVID-19 PPE requirements

B 12.1.14 Main notice board

[B 6.5] Specific requirements:

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.

B 12.1.15 Subcontractors' notice board

[B 6.6] A notice board is required:	(yes/no)	No
-------------------------------------	----------	----

B 12.1.16 Water

[B 7.2.1] Option A (by contractor)	(yes/no)	Yes
--	----------	-----

[B 7.2.2] Option B (by employer - free of charge)	(yes/no)	No
--	----------	----

[B 7.2.3] Option C (by employer - metered)	(yes/no)	No
---	----------	----

B 12.1.17 Electricity

[B 7.3.1] Option A (by contractor)	(yes/no)	Yes
--	----------	-----

[B 7.3.2] Option B (by employer - free of charge)	(yes/no)	No
--	----------	----

[B 7.3.3] Option C (by employer - metered)	(yes/no)	No
---	----------	----

B 12.1.18 Telecommunications

[B 7.4.1] Telephone	(yes/no)	Yes
---------------------	----------	-----

[B 7.4.2] Facsimile	(yes/no)	No
---------------------	----------	----

[B 7.4.3] E-mail	(yes/no)	Yes
------------------	----------	-----

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

B 12.1.19 Ablution facilities[B 7.5.1] Option A (by **contractor**) (yes/no) Yes[B 7.5.2] Option B (by **employer**) (yes/no) No**B 12.1.20 Protection of existing/sectionally occupied works**

[B 11.2] Protection is required (yes/no) No

B 12.1.21 Special attendance[B 9.2] **Subcontractor** (1) details: NONE[B 9.2] **Subcontractor** (2) details: NONE[B 9.2] **Subcontractor** (3) details: NONE[B 9.2] **Subcontractor** (4) details: NONE**B 12.1.22 Protection of the works**

[B 11.1] Specific requirements: NONE

B 12.1.23 Disturbance

[B 11.5] Specific requirements:

The **contractor** shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the **works** all necessary temporary dust screens all to the satisfaction of the **principal agent**

B 12.1.24 Environmental disturbance

[B 11.6] Specific requirements: As per attached Environmental Management Plan

POST-TENDER INFORMATION**B 12.2 Payment of preliminaries**

[B 10.2.1] Option A (prorated) (yes/no) Yes

[B 10.2.2] Option B (calculated) (yes/no) No

B 12.2.2 Adjustment of preliminaries

[B 10.3.1] Option A (three categories) (yes/no) Yes

[B 10.3.2] Option B (detailed breakdown) (yes/no) No

Carried to Collection**R**

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

B 12.2.3 Additional agreed preliminaries items

Details:

SECTION C: SPECIFIC PRELIMINARIES**Section C** contains specific preliminary items which apply to this contract**C1 CONTRACT DRAWINGS**

- 102 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

Fixed: _____ Value related: _____ Time related: _____

C2 GENERAL PREAMBLES

- 103 The document "Construction Works: Specification (PW371-A and PW371-B)" is obtainable on request from the head office and all regional offices of the Department, 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

Fixed: _____ Value related: _____ Time related: _____

C3 TRADE NAMES

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

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

Fixed: _____ Value related: _____ Time related: _____

C4 IMPORTED MATERIALS AND EQUIPMENT

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

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

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection**R**

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

C5 VIEWING THE SITE IN SECURITY AREAS

- 106 The **site** is situated in a security area and the tenderer must arrange with the responsible officer to obtain permission to enter the **site** for tendering purposes

Fixed: _____ Value related: _____ Time related: _____

C6 COMMENCEMENT OF WORKS IN SECURITY AREAS

- 107 As the **works** falls within a security area the **contractor** must give the 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

Fixed: _____ Value related: _____ Time related: _____

C7 ENTRANCE PERMITS TO SECURITY AREAS

- 108 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 chief security officer

Fixed: _____ Value related: _____ Time related: _____

C9 SECURITY CHECK OF PERSONNEL

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

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

Fixed: _____ Value related: _____ Time related: _____

C10 PROHIBITION ON TAKING OF PHOTOGRAPHS

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

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

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) 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 C11.1 to C11.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (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

C11.1 AWARENESS CAMPAIGN

- 111 Selection, appointment, briefing and making available of an Awareness Campaign including provision of all relevant services, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

C11.2 AWARENESS WORKSHOPS

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

Fixed: _____ Value related: _____ Time related: _____

C11.3 POSTERS, BOOKLETS, VIDEOS, ETC.

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

Fixed: _____ Value related: _____ Time related: _____

C11.4 ACCESS TO CONDOMS

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

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

C11.5 MONITORING

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

Fixed: _____ Value related: _____ Time related: _____

C12 OCCUPATIONAL HEALTH AND SAFETY ACT

- 116 The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No.85 of 1993).

It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.

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 A31.0 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.

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.

Fixed: _____ Value related: _____ Time related: _____

C13 COVID-19 MONITORING & AWARENESS

- 117 The contractor shall comply with all the requirements set by Government and as required depending on the National Alert Level implemented at the time of construction.

COVID-19 awareness and safe operating procedures must include, but are not limited to, daily screening of all workers and site visitors on arrival and departure, record keeping, daily awareness reminders, awareness posters, sanitising stations, PPE, etc.

The contractor shall price opposite this item for the development and implementation of a COVID-19 plan and appointment of COVID-19 officer.

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

C14 SUBCONTRACTING AS A CONDITION OF TENDER

118

Where SMMEs are sufficiently resourced, a minimum of 10% of the value of the work must be subcontracted. Where SMMEs are insufficient resources to execute the proposed works as a complete package the Contractor may conclude contracts on a management/labour basis in which event a minimum of 5% of the value the works is to be subcontracted. The onus is on the Contractor to prove to the employer that no fully fledged SMMEs are active in the area of the project.

Provision for pricing of all the main contractor's cost in this regard is made under this clause and are deemed to be priced hereunder and no additional claims in this regard shall be entertained.

Fixed:_____ Value related:_____ Time related:_____

C15 GENERAL LABOUR MINIMUM TARGETS

119

General Labour minimum targets

It is mandatory that tenderers/bidders employ the minimum stipulated personnel on the contracts for the local community where the project is being implemented. This employment is outside the existing employees of the tenderers/bidders.

For the general labour force, the minimum number of people to be employed for the duration of the Project will be calculated from the formula below.

$$\text{Number of Employees} = 4 * \left[\frac{(\text{Contract Value in Rand})}{R1,000,000} \right]$$

Tenderers are to also note that it is an explicit condition of this tender that all unskilled labourers on the project are to be employed from the local community. The Contractor is therefore expected in general to maximise the involvement of the local community. Take note that the local labour employed must not be paid lower than the minimum approved Municipal rates in that district or area.

The Contractor shall be required to submit employment data on a monthly basis to the Project Manager.

Should the contractor at Works Completion, be in default by non-attainment of the above mentioned labour intensive targets, the Employer shall have the right to, without prejudice of any other rights, apply a penalty of not exceeding 5% of the contract sum.

Fixed:_____ Value related:_____ Time related:_____

Carried to Collection**R**

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

C16 LOCAL LABOUR

120 It is the intention that this Contract should make maximum use of the local labour force that is presently under-employed. To this end the Contractor shall limit the utilisation on the Contract of non-local employees to that of key personnel only and to employ and train local labour to the extent necessary for the execution and completion of this Contract.

The Contractor shall fill in the form entitled Key Personnel in the Forms to be completed by the Bidder. The data stated on the above-mentioned form will be strictly monitored during the Contract period and any deviations there from shall be subject to the prior approval of the Principal Agent, which approval shall not be unreasonably withheld.

The employment of casual labour will be done in co-operation with community leaders and local structures. The bidder shall ensure that all remuneration paid to employees is in line with the relevant sectorial determination in terms of the Basic Conditions of Employment Act, No 75 of 1997, as determined by the Department of Labour.

Fixed: _____ Value related: _____ Time related: _____

C17 LOCAL MATERIAL

121 Regarding procurement of materials, local is hereby defined as the district in which the project(s) is/are located. The minimum target for materials sourced locally is 20% of the contract value

Fixed: _____ Value related: _____ Time related: _____

C18 NON ACCREDITED TRAINING OF LABOUR

122 The Contractor shall provide all the necessary on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract in a manner that does not compromise worker health and safety.

The contractor shall be responsible for scheduling the training of workers and shall take all reasonable steps to ensure that each beneficiary is provided with a minimum of six (6) days of formal training if he/she is employed for 3 months or less and a minimum of ten (10) days if he/she is employed for 4 months or more.

The Contractor shall do nothing to dissuade targeted labour from participating in training programmes.

Proof of compliance with all the requirements must be provided by the Contractor to the Employer prior to submission of the final payment certificate.

Fixed: _____ Value related: _____ Time related: _____

Carried to Collection

R

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

C19 ENVIRONMENTAL MANAGEMENT PLAN

123 The contractor shall comply with all the requirements in the environmental management plan attached to this document. It is required of the contractor to thoroughly study attached environmental management plan. The contractor must take note that compliance with the environmental management plan is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 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. Provision for pricing of all the main contractors cost in this regard is made under this clause and are deemed to be priced hereunder and no additional claims in this regard shall be entertained.

Fixed: _____ Value related: _____ Time related: _____

Section No. 1
SECTION 1 - PRELIMINARIES
Bill No. 1
Preliminaries

Carried to Collection R

Section No. 1

SECTION 1 - PRELIMINARIES

Bill No. 1

Preliminaries

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	

Carried Forward R

Section No. 1

SECTION 1 - PRELIMINARIES

Bill No. 1

Preliminaries

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p>This section is divided in columns as follows:</p> <p>Q : Block Q – Mental Health Ward U : Block U – Mortuary W : Block W – Temporary Mental Health Male Ward X : Block X – Temporary Mental Health Female Ward</p> <p>Annotations at end of description i.e. (San005) refer to the Architect's specification attached to the back of these bills of quantities. Tenderers are advised to study the Architect's specification for the full intent and meaning of the relevant item</p> <p><u>EXISTING HOSPITAL (PROVISIONAL)</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 102 for JBCC CPAP purposes</i></p> <hr/> <p><u>ALTERATIONS</u></p> <p>1 All material become the property of the Contractor and are to be removed by him from the site. All debris and rubbish arising from the alterations are to be immediately carted away and the site left clear and unencumbered</p> <p>2 Any breaking up, breaking down, etc. and removal of existing work must be done with the greatest care to prevent any form of structural or other damage to work or items not due to be removed. If any such damage may occur it will be made good by the Contractor on his own expense</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 1 Alterations</p>			
		Item		
		Item		
			R	

CONCRETE

3	Remove existing concrete ramp not exceeding 120mm thick and cut existing mesh.	m2	18
	Q : 0 U : 18 W : 0 X : 0		
4	Remove existing concrete surface bed not exceeding 120mm thick and cut existing mesh.	m2	50
	Q : 26 U : 24 W : 0 X : 0		
5	Remove existing apron not exceeding 120mm thick and cut existing mesh.	m2	22
	Q : 0 U : 22 W : 0 X : 0		
6	Remove existing paving not exceeding 120mm thick	m2	322
	Q : 322 U : 0 W : 0 X : 0		
7	Remove existing concrete skirting overall size approximately 150 x 150mm high laid at 45 degree to walls	m	546
	Q : 546 U : 0 W : 0 X : 0		

FLOORS AND FLOOR FINISHES

8	Cut through and break back concrete floor not exceeding 120mm thick and 750mm wide, cut existing mesh (if any) on centre, bend up and preserve and remove existing concrete floor, for 750 x 250mm thick concrete footing for one brick wall (measured elsewhere)	m	247
	Q : 230 U : 17 W : 0 X : 0		
9	Repair floor face where intersecting half brick walls are broken down, break down wall to 85mm below surface bed slab, fill with sand to underside of surface bed and cast new slab 110mm wide and 150mm thick including neat flush intersections with existing	m	45
	Q : 38 U : 0 W : 5 X : 2		
10	Repair floor face where intersecting one brick walls are broken down, break down wall to 85mm below surface bed slab, fill with sand to underside of surface bed and cast new slab 220mm wide and 150mm thick including neat flush intersections with existing	m	182
	Q : 179 U : 3 W : 0 X : 0		
11	Take up and remove existing ceramic tiles with cement plaster bedding, skirting, etc. from concrete floor, including preparing and proper cleaning of concrete surface to receive new screed (measured elsewhere)	m2	118
	Q : 118 U : 0 W : 0 X : 0		

Carried to Collection**R**

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

12	Take up and remove existing terrazzo tile floor covering with cement plaster bedding, skirting, etc. from concrete floor, including preparing and proper cleaning of concrete surface to receive new screed (measured elsewhere)	m2	14
	Q : 0 U : 14 W : 0 X : 0		
13	Take up and remove existing vinyl tile floor covering	m2	490
	Q : 98 U : 140 W : 131 X : 121		
14	Take up and remove existing vinyl sheeting floor covering	m2	975
	Q : 917 U : 58 W : 0 X : 0		
15	Break up and remove existing screed approximately 30mm thick from concrete surface bed and prepare latter to receive new screed (measured elsewhere)	m2	1 848
	Q : 1236 U : 328 W : 163 X : 121		
16	Take off and remove existing 75mm timber skirting from plastered wall and repair wall surface	m	410
	Q : 0 U : 169 W : 144 X : 97		
17	Take off and remove existing 100mm vinyl skirting from plastered wall and repair wall surface	m	184
	Q : 153 U : 31 W : 0 X : 0		
<u>WALLS AND WALL FINISHES</u>			
18	Break down and remove existing half brick wall	m2	94
	Q : 77 U : 0 W : 13 X : 4		
19	Break down and remove existing one brick wall	m2	651
	Q : 480 U : 6 W : 165 X : 0		
20	Break down and remove existing one brick retaining wall 1300mm high including foundation wall and concrete footing	m	22
	Q : 22 U : 0 W : 0 X : 0		
21	Cutting toothings and bonding new brickwork to existing	m2	53
	Q : 48 U : 5 W : 0 X : 0		
22	Take up and remove existing vinyl sheeting from walls	m2	690
	Q : 690 U : 0 W : 0 X : 0		
23	Hack off and remove internal plaster in patching from brick walls, concrete columns and beams and prepare to receive new plaster (measured elsewhere), including all necessary cleaning	m2	625
	Q : 338 U : 144 W : 86 X : 57		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

24	Hack off and remove external plaster in patching from brick walls, concrete columns and beams and prepare to receive new plaster (measured elsewhere), including all necessary cleaning	m2	342
	Q : 300 U : 0 W : 42 X : 0		
25	Hack off and remove existing white glazed tiles including plaster backing from brick walls in patches and prepare the surface to receive new tiles (elsewhere measured)	m2	143
	Q : 0 U : 98 W : 15 X : 30		
26	Pre-pair existing facebrick to receive plaster (elsewhere measured)	m2	94
	Q : 0 U : 94 W : 0 X : 0		
27	Break down and remove existing seating bench, comprising of brickwork and 100mm surface bed. Overall size 450 x 500mm high	m	5
	Q : 0 U : 5 W : 0 X : 0		
28	Carefully cut crack in existing plastered wall open as necessary, prepare for and fill in with epoxy filling as "epidermix 314" or other similar approved and finish off flush with adjacent finishes	m	250
	Q : 150 U : 50 W : 50 X : 0		
<u>DOORS</u>			
29	Remove existing mortice lock from wooden door and prepare to receive new lockset (elsewhere measured)	No	15
	Q : 15 U : 0 W : 0 X : 0		
30	Service existing timber door overall size 813 x 2032mm high	No	26
	Q : 10 U : 0 W : 7 X : 9		
31	Service existing timber door overall size 1588 x 2032mm high	No	22
	Q : 20 U : 0 W : 0 X : 2		
32	Service existing wooden sliding door overall size 3400 x 2400mm high	No	1
	Q : 0 U : 0 W : 1 X : 0		
<u>Take out and remove existing doors to be replaced</u>			
33	Take out and remove existing timber door, size 813 x 2032mm high, from pressed steel door frame and prepare frame to receive new door	No	10
	Q : 10 U : 0 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

34	Take out and remove existing timber double door, size 1511 x 2032mm high, from pressed steel door frame and prepare frame to receive new door Q : 15 U : 0 W : 0 X : 0	No	15
<u>Take out and remove existing door frames and doors from walls to be demolished</u>			
35	Take out and remove existing timber door and steel frame, size 813 x 2032mm high from half brick wall Q : 14 U : 0 W : 2 X : 2	No	18
36	Take out and remove existing timber door and steel frame, size 813 x 2032mm high from one brick wall Q : 6 U : 0 W : 0 X : 0	No	6
37	Take out and remove existing timber door and steel frame, size 1600 x 2032mm high from one brick wall Q : 6 U : 1 W : 0 X : 0	No	7
<u>Take out and remove existing security gates to be replaced</u>			
38	Take out and remove existing security gate, size 1360 x 2350mm high from one brick wall Q : 4 U : 0 W : 0 X : 0	No	4
39	Take out and remove existing security gate, size 3560 x 2900mm high from one brick wall Q : 0 U : 1 W : 0 X : 0	No	1
<u>Take out and remove existing doors from half brick walls</u>			
40	Take out and remove existing door size 813 x 2032mm high including pressed steel door frame and prepare to receive new (measured elsewhere) Q : 3 U : 0 W : 3 X : 4	No	10
<u>Take out and remove existing doors from one brick walls</u>			
41	Take out and remove existing door size 813 x 2032mm high including pressed steel door frame and prepare to receive new (measured elsewhere) Q : 6 U : 4 W : 5 X : 5	No	20
42	Take out and remove existing door size 1350 x 2032mm high including pressed steel door frame and prepare to receive new (measured elsewhere) opening to be altered (measured elsewhere) Q : 4 U : 0 W : 0 X : 0	No	4

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

43	Take out and remove existing door size 1588 x 2032mm high including pressed steel door frame and prepare to receive new (measured elsewhere) Q : 6 U : 3 W : 0 X : 2	No	11		
44	Take out and remove existing door size 1588 x 2032mm high including pressed steel door frame and prepare to receive new (measured elsewhere) opening to be altered (measured elsewhere) Q : 0 U : 0 W : 1 X : 0	No	1		
45	Take out and remove existing door size 2740 x 2250mm high including pressed steel door frame and prepare to receive new (measured elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
46	Take out and remove existing door overall size 3000 x 2650mm high including sidelights and pressed steel door frame and prepare to receive new (measured elsewhere) opening to be altered (measured elsewhere) Q : 0 U : 0 W : 1 X : 0	No	1		
47	Take out and remove existing door overall size 4560 x 2650mm high including sidelights and pressed steel door frame and prepare to receive new (measured elsewhere) opening to be altered (measured elsewhere) Q : 0 U : 0 W : 1 X : 0	No	1		
<u>Altering of openings through existing walls</u>					
48	Altering opening in one brick wall where 813 x 2032mm high timber door including steel frame is removed to form opening for new double door size 1600 x 2032mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new door and frame and making good paintwork elsewhere) Q : 0 U : 1 W : 0 X : 0	No	1		
49	Altering opening in one brick wall where 3550 x 2900mm high security gate including steel frame is removed to form opening size 1750 x 2900mm high overall including necessary precast concrete lintel and making good plaster on both sides and in openings Q : 0 U : 1 W : 0 X : 0	No	1		
Carried to Collection				R	
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 1 Alterations					

50	Altering opening in one brick wall where 1350 x 2032mm high double timber door and steel frame is removed, to form opening for new timber door and steel frame size 1020 x 2032mm high (measured elsewhere) overall, including necessary precast concrete lintel and making good all brickwork surfaces and making good plaster on both sides (new door and frame and making good paintwork elsewhere)	No	4		
	Q : 4 U : 0 W : 0 X : 0				
51	Altering opening in one brick wall where 1360 x 2350mm high security gate and steel frame is removed, to form opening for new timber door and steel frame size 813 x 2032mm high (measured elsewhere) overall, including necessary precast concrete lintel and making good all brickwork surfaces and making good plaster on both sides (new door and frame and making good paintwork elsewhere)	No	1		
	Q : 1 U : 0 W : 0 X : 0				
52	Altering opening in one brick wall where 1588 x 2032mm high double steel door and steel frame is removed, to form opening for new aluminium window size 900 x 900mm high (measured elsewhere) overall, including necessary precast concrete lintel and making good all brickwork surfaces and making good plaster on both sides (new window and making good paintwork elsewhere)	No	1		
	Q : 0 U : 0 W : 1 X : 0				
53	Altering opening in one brick wall where existing steel door with sidelights, size 3000 x 2650mm high including steel frame from one brick wall is removed, to form opening for new aluminium window size 2400 x 1250mm high (measured elsewhere) overall, including necessary precast concrete lintel and making good all brickwork surfaces and making good plaster on both sides (new window and making good paintwork elsewhere)	No	1		
	Q : 0 U : 0 W : 1 X : 0				
54	Altering opening in one brick wall where existing steel door with sidelights, size 4560 x 2650mm high including steel frame from one brick wall is removed, to form opening for new aluminium window size 2400 x 1250mm high (measured elsewhere) overall, including necessary precast concrete lintel and making good all brickwork surfaces and making good plaster on both sides (new window and making good paintwork elsewhere)	No	1		
	Q : 0 U : 0 W : 1 X : 0				
Carried to Collection					R
Section No. 2					
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)					
Bill No. 1					
Alterations					

Break opening through brick wall for new door

55	Break opening, size 750 x 2032 high, through one brick wall for new steel frame (measured elsewhere), repair reveals and lintels with brickwork in cement mortar as well as plastered finish to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary precast concrete lintel, cutting, temporary support , neat flush intersections of new to existing finishes, etc. Q : 3 U : 0 W : 0 X : 0	No	3
56	Break opening, size 813 x 2032 high, through one brick wall for new steel frame (measured elsewhere), repair reveals and lintels with brickwork in cement mortar as well as plastered finish to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary precast concrete lintel, cutting, temporary support , neat flush intersections of new to existing finishes, etc. Q : 7 U : 0 W : 0 X : 0	No	7
57	Break opening, size 877 x 2032 high, through one brick wall for new steel frame (measured elsewhere), repair reveals and lintels with brickwork in cement mortar as well as plastered finish to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary precast concrete lintel, cutting, temporary support , neat flush intersections of new to existing finishes, etc. Q : 4 U : 0 W : 0 X : 0	No	4
58	Break opening, size 1511 x 1870 high, through one brick wall for new steel frame (measured elsewhere), repair reveals and lintels with brickwork in cement mortar as well as plastered finish to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary precast concrete lintel, cutting, temporary support , neat flush intersections of new to existing finishes, etc. Q : 1 U : 0 W : 0 X : 0	No	1
59	Break opening, size 1588 x 2032 high, through one brick wall for new steel frame (measured elsewhere), repair reveals and lintels with brickwork in cement mortar as well as plastered finish to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary precast concrete lintel, cutting, temporary support , neat flush intersections of new to existing finishes, etc. Q : 1 U : 0 W : 0 X : 0	No	1

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

60	Break opening, size 1650 x 2100 high, through one brick wall for new aluminium door (measured elsewhere), repair reveals and lintels with brickwork in cement mortar as well as plastered finish to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary precast concrete lintel, cutting, temporary support , neat flush intersections of new to existing finishes, etc. Q : 1 U : 0 W : 0 X : 0	No	1	
61	Break opening, size 1760 x 2200 high, through one brick wall for new steel frame (measured elsewhere), repair reveals and lintels with brickwork in cement mortar as well as plastered finish to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary precast concrete lintel, cutting, temporary support , neat flush intersections of new to existing finishes, etc. Q : 0 U : 1 W : 0 X : 0	No	1	
<u>Break out and remove existing doors and frames and brick up openings</u>				
62	Steel frame and timber door, size approximately 813 x 2032 high, lock, etc, from one brick wall, prepare top of existing brickwork and brick up opening with brickwork in cement mortar, finish off with plaster to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary cutting, temporary support, neat flush intersections of new to existing finishes, etc. Q : 10 U : 3 W : 0 X : 1	No	14	
63	Steel frame and timber door, size approximately 1600 x 2032 high, lock, etc, from one brick wall, prepare top of existing brickwork and brick up opening with brickwork in cement mortar, finish off with plaster to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary cutting, temporary support, neat flush intersections of new to existing finishes, etc. Q : 0 U : 1 W : 0 X : 0	No	1	
64	Steel frame and steel door, size approximately 1600 x 2032 high, lock, etc, from one brick wall, prepare top of existing brickwork and brick up opening with brickwork in cement mortar, finish off with plaster to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary cutting, temporary support, neat flush intersections of new to existing finishes, etc. Q : 0 U : 0 W : 1 X : 0	No	1	
Carried to Collection				R
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 1 Alterations				

65	Steel frame and cold room door to be removed carefully, store in a safe location to be re-installed (measured elsewhere) size approximately 1760 x 2200 high, lock, etc, from one brick wall, prepare top of existing brickwork and brick up opening with brickwork in cement mortar, finish off with plaster to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary cutting, temporary support, neat flush intersections of new to existing finishes, etc.	No	2
	Q : 0 U : 2 W : 0 X : 0		
<u>WINDOWS</u>			
66	Remove existing glass panels from steel window sashes, fixed with putty and prepare to receive new glass (elsewhere measured)	m2	102
	Q : 80 U : 3 W : 10 X : 9		
67	Service existing residential type window frame, size 450 x 600mm high, including all necessary bending, servicing of hinges and replacing of ironmongery, etc. (replacement of glass measured elsewhere)	No	16
	Q : 12 U : 4 W : 0 X : 0		
68	Ditto, but size 1950 x 600mm high	No	6
	Q : 0 U : 6 W : 0 X : 0		
69	Ditto, but size 1250 x 950mm high	No	1
	Q : 1 U : 0 W : 0 X : 0		
70	Ditto, but size 2500 x 950mm high	No	22
	Q : 22 U : 0 W : 0 X : 0		
71	Ditto, but size 1000 x 1000mm high	No	7
	Q : 5 U : 0 W : 1 X : 1		
72	Ditto, but size 1700 x 1200mm high	No	1
	Q : 0 U : 1 W : 0 X : 0		
73	Ditto, but size 2500 x 1200mm high	No	7
	Q : 7 U : 0 W : 0 X : 0		
74	Ditto, but size 2740 x 1200mm high	No	1
	Q : 0 U : 0 W : 0 X : 1		
75	Ditto, but size 3740 x 1200mm high	No	1
	Q : 0 U : 0 W : 0 X : 1		
76	Ditto, but size 1000 x 1500mm high	No	3
	Q : 0 U : 0 W : 3 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

77	Ditto, but size 1500 x 1500mm high Q : 0 U : 0 W : 2 X : 0	No	2
78	Ditto, but size 1950 x 1500mm high Q : 0 U : 1 W : 0 X : 0	No	1
<u>Take out and remove existing steel windows from one brick walls to be demolished</u>			
79	Take out and remove existing steel window, size 2420 x 1200mm high from one brick wall Q : 4 U : 0 W : 0 X : 0	No	4
<u>Take out and remove existing steel windows from one brick walls</u>			
80	Take out and remove existing steel window, size 450 x 600mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 2 U : 0 W : 0 X : 0	No	2
81	Take out and remove existing steel window, size 2750 x 600mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 4 U : 0 W : 0 X : 0	No	4
82	Take out and remove existing steel window, size 950 x 900mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1
83	Take out and remove existing steel window, size 2420 x 900mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 4 U : 0 W : 0 X : 0	No	4
84	Take out and remove existing steel window, size 2420 x 900mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1
85	Take out and remove existing steel window, size 4200 x 900mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 4 U : 0 W : 0 X : 0	No	4
86	Take out and remove existing steel window, size 2420 x 1200mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 18 U : 0 W : 0 X : 0	No	18

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

87	Take out and remove existing steel window, size 2500 x 1200mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 2 U : 0 W : 0 X : 0	No	2		
88	Take out and remove existing steel window, size 2720 x 1200mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 4 U : 0 W : 0 X : 0	No	4		
89	Take out and remove existing steel window, size 1000 x 1500mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 0 U : 0 W : 1 X : 0	No	1		
90	Take out and remove existing steel window, size 2720 x 2000mm high including window sill from one brick wall, opening to be altered (measured elsewhere) Q : 2 U : 0 W : 0 X : 0	No	2		
<u>Altering of openings through existing walls</u>					
91	Altering opening in one brick wall where 450 x 600mm high steel window is removed to form opening for new aluminium window size 900 x 600mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 2 U : 0 W : 0 X : 0	No	2		
92	Altering opening in one brick wall where 2750 x 600mm high steel window is removed to form opening for new aluminium door and frame size 1650 x 2100mm high with one sidelights size 1150 x 1875mm high overall (Mental Health: D25) (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new door and frame and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
93	Altering opening in one brick wall where 950 x 900mm high steel window is removed to form opening for new aluminium window size 600 x 600mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
Carried to Collection					
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 1 Alterations				R	

94	Altering opening in one brick wall where 2420 x 900mm high steel window is removed to form opening for new aluminium window size 2575 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
95	Altering opening in one brick wall where 2420 x 900mm high steel window is removed to form opening for new aluminium window size 2533 x 900mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
96	Altering opening in one brick wall where 2420 x 900mm high steel window is removed to form opening for new aluminium window size 900 x 900mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
97	Altering opening in one brick wall where 2420 x 900mm high steel window is removed to form opening for new aluminium window size 1500 x 900mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
98	Altering opening in one brick wall where 2420 x 900mm high steel window is removed to form opening for new aluminium window size 2400 x 600mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
99	Altering opening in one brick wall where 2750 x 600mm high steel window is removed to form opening for new aluminium window size 2733 x 900mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
Carried to Collection					R
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 1 Alterations					

106	Altering opening in one brick wall where 2420 x 1200mm high steel window is removed to form opening for new aluminium window size 2445 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 4 U : 0 W : 0 X : 0	No	4	
107	Altering opening in one brick wall where 2420 x 1200mm high steel window is removed to form opening for new aluminium window size 900 x 900mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 2 U : 0 W : 0 X : 0	No	2	
108	Altering opening in one brick wall where 2420 x 1200mm high steel window is removed to form opening for new aluminium window size 2300 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 4 U : 0 W : 0 X : 0	No	4	
109	Altering opening in one brick wall where 2420 x 1200mm high steel window is removed to form opening for new aluminium window size 2438 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1	
110	Altering opening in one brick wall where 2420 x 1200mm high steel window is removed to form opening for new aluminium window size 2445 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 3 U : 0 W : 0 X : 0	No	3	
111	Altering opening in one brick wall where 2420 x 1200mm high steel window is removed to form opening for new aluminium window size 2527 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 2 U : 0 W : 0 X : 0	No	2	
Carried to Collection				R
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 1 Alterations				

112	Altering opening in one brick wall where two 2420 x 1200mm high steel windows is removed to form opening for new aluminium door and frame size 1650 x 2100mm with two sidelights size 1100 x 1875mm high and 3000 x 1875mm high on both sides of door overall (Mental Health: D02) (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new door and frame and making good paintwork elsewhere)	No	1		
	Q : 1 U : 0 W : 0 X : 0				
113	Altering opening in one brick wall where 2500 x 1200mm high steel window is removed to form opening for new aluminium window size 2445 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere)	No	1		
	Q : 1 U : 0 W : 0 X : 0				
114	Altering opening in one brick wall where 2500 x 1200mm high steel window is removed to form opening for new aluminium door and frame size 1650 x 2100mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new door and frame and making good paintwork elsewhere)	No	1		
	Q : 1 U : 0 W : 0 X : 0				
115	Altering opening in one brick wall where 2720 x 1200mm high steel window is removed to form opening for new aluminium window size 2800 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere)	No	1		
	Q : 1 U : 0 W : 0 X : 0				
116	Altering opening in one brick wall where 2720 x 1200mm high steel window is removed to form opening for new aluminium window size 2536 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere)	No	1		
	Q : 1 U : 0 W : 0 X : 0				
Carried to Collection					R
Section No. 2					
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)					
Bill No. 1					
Alterations					

117	Altering opening in one brick wall where 2720 x 1200mm high steel window is removed to form opening for new aluminium window size 2536 x 900mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
118	Altering opening in one brick wall where 2720 x 1200mm high steel window is removed to form opening for new aluminium window size 2527 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 1 U : 0 W : 0 X : 0	No	1		
119	Altering opening in one brick wall where 1000 x 1500mm high steel window is removed to form opening for new aluminium window size 1200 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 0 U : 0 W : 1 X : 0	No	1		
120	Altering opening in one brick wall where 2720 x 2000mm high steel window is removed to form opening for new aluminium window size 2782 x 1250mm high (measured elsewhere) overall including necessary precast concrete lintel and making good plaster on both sides (new window and making good paintwork elsewhere) Q : 2 U : 0 W : 0 X : 0	No	2		
<u>Break opening through one brick wall for new windows</u>					
121	Break opening, size 1022 x 949mm high, through one brick facebrick wall for new steel window (measured elsewhere), repair reveals and put in necessary new concrete lintels with brickwork in cement mortar including necessary cutting, temporary support , neat flush intersections of new to existing, etc. Q : 0 U : 1 W : 1 X : 0	No	2		
122	Break opening, size 1022 x 1245mm high, through one brick facebrick wall for new steel window (measured elsewhere), repair reveals and put in necessary new concrete lintels with brickwork in cement mortar including necessary cutting, temporary support , neat flush intersections of new to existing, etc. Q : 0 U : 3 W : 0 X : 0	No	3		
Carried to Collection				R	
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 1 Alterations					

123	Break opening, size 1500 x 1250mm high, through one brick facebrick wall for new aluminium window (measured elsewhere), repair reveals and put in necessary new concrete lintels with brickwork in cement mortar including necessary cutting, temporary support , neat flush intersections of new to existing, etc. Q : 0 U : 1 W : 0 X : 0	No	1		
124	Break opening, size 2400 x 1250mm high, through one brick wall for new aluminium window (measured elsewhere), repair reveals and put in necessary new concrete lintels with brickwork in cement mortar including necessary cutting, temporary support , neat flush intersections of new to existing, etc. Q : 1 U : 0 W : 0 X : 0	No	1		
125	Break opening, size 900 x 1615mm high, through one brick wall for new aluminium window (measured elsewhere), repair reveals and put in necessary new concrete lintels with brickwork in cement mortar including necessary cutting, temporary support , neat flush intersections of new to existing, etc. Q : 2 U : 0 W : 0 X : 0	No	2		
126	Break opening, size 1377 x 1105mm high, through one brick wall for new aluminium window (measured elsewhere), repair reveals and put in necessary new concrete lintels with brickwork in cement mortar including necessary cutting, temporary support , neat flush intersections of new to existing, etc. Q : 3 U : 0 W : 0 X : 0	No	3		
<u>Break out and remove existing windows and frames and brick up openings</u>					
127	Steel window, size approximately 450 x 600 high, lock, etc, from one brick wall, prepare top of existing brickwork and brick up opening with brickwork in cement mortar, finish off with plaster to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary cutting, temporary support, neat flush intersections of new to existing finishes, etc. Q : 2 U : 0 W : 0 X : 0	No	2		
128	Timber service window, size approximately 900 x 900 high, lock, etc, from one brick wall, prepare top of existing brickwork and brick up opening with brickwork in cement mortar, finish off with plaster to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary cutting, temporary support, neat flush intersections of new to existing finishes, etc. Q : 0 U : 0 W : 1 X : 0	No	1		
Carried to Collection				R	
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 1 Alterations					

129	Timber service window, size approximately 800 x 1100 high, lock, etc, from one brick wall, prepare top of existing brickwork and brick up opening with brickwork in cement mortar, finish off with plaster to both sides in patching and paint primer and undercoat to receive final coats (measured elsewhere) including necessary cutting, temporary support, neat flush intersections of new to existing finishes, etc.	No	1		
	Q : 0 U : 0 W : 1 X : 0				
<u>CEILINGS</u>					
130	Take down and remove existing gypsum plaster or fibre cement ceiling boards, including brandering, insulation, cornices, etc.	m2	528		
	Q : 0 U : 262 W : 163 X : 103				
131	Take down and remove existing corrugated iron ceiling, including brandering, insulation, cornices, etc.	m2	99		
	Q : 99 U : 0 W : 0 X : 0				
132	Take down and remove existing suspended ceiling boards, including grating system, shadowline, etc.	m2	200		
	Q : 200 U : 0 W : 0 X : 0				
133	Take down and remove existing suspended ceiling boards set sloping, including grating system, shadowline, etc.	m2	822		
	Q : 822 U : 0 W : 0 X : 0				
<u>SUNDRIES</u>					
134	Take off and remove existing steel curtain tracks in varying lengths from plastered brick walls and repair wall faces	m	144		
	Q : 117 U : 17 W : 7 X : 3				
<u>ROOFS</u>					
135	Thoroughly inspect existing corrugated sheet iron roof covering and refix to timber purlins, including replacement of all galvanised iron fixing screws, with approved fixing screws and rubber based conical washers and fill up screw holes with and approved material to ensure proper fixing, etc	m2	611		
	Q : 0 U : 362 W : 249 X : 0				
Carried to Collection					
Section No. 2				R	
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)					
Bill No. 1					
Alterations					

136	Thoroughly inspect existing roof sheeting to be repaired where applicable, in accordance with the Department of Labour Guide to Asbestos Regulations (2001) and regulations as per Government Gazette of 19 January 2018 regarding Asbestos Abatement, using grey twin-pack epoxy as by Everite building products, strictly in accordance with manufacturer's specification, let epoxy cure properly and smooth off. Refix to timber purlins, including replacement of all galvanised iron fixing screws, with approved fixing screws and rubber based conical washers and fill up screw holes with and approved material to ensure proper fixing,	m2	1 822
	Q : 1822 U : 0 W : 0 X : 0		
137	Take off and remove existing pitched asbestos roof covering, including flashings, steel purlins, fascias, barge boards, gutters and rainwater pipes	m2	1 927
	Q : 1927 U : 0 W : 0 X : 0		
138	Allow for the Asbestos removal by specialist including compliance costs complete		Item
139	Take off and remove existing timber fascia and barge boards, not exceeding 300mm wide, from roof timbers	m	118
	Q : 0 U : 46 W : 72 X : 0		
140	Take off and remove existing galvanised gutters from existing timber roof structure and prepare to receive new gutters (measured elsewhere)	m	64
	Q : 0 U : 41 W : 23 X : 0		
141	Take off and remove existing 75mm diameter galvanised downpipes from existing brickwork and prepare to receive new downpipes (measured elsewhere)	m	91
	Q : 4 U : 79 W : 8 X : 0		
142	Take off and remove existing headwall flashing from existing roof structure and prepare to receive new gutters (measured elsewhere)	m	41
	Q : 0 U : 41 W : 0 X : 0		
143	Take off and remove existing sidewall flashing from existing roof structure and prepare to receive new gutters (measured elsewhere)	m	34
	Q : 0 U : 34 W : 0 X : 0		
144	Take off and remove existing apex flashing from existing roof structure and prepare to receive new gutters (measured elsewhere)	m	104
	Q : 81 U : 0 W : 23 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

TIMBER FITTINGS

145	Remove existing timber cupboard unit, overall size 1450 x 550 x 900mm high, from plastered wall and timber floor	No	2
	Q : 0 U : 0 W : 2 X : 0		
146	Remove existing timber built in cupboard unit, overall size 1600 x 750 x 2600mm high, from plastered wall and concrete floor with cement plaster screed and repair wall and floor faces	No	1
	Q : 0 U : 0 W : 1 X : 0		
147	Remove existing timber built in cupboard unit, overall size 2500 x 750 x 2600mm high, from plastered wall and concrete floor with cement plaster screed and repair wall and floor faces	No	1
	Q : 0 U : 0 W : 1 X : 0		
148	Remove existing timber seating bench approximately 500mm wide including wallbands and steel brackets from plastered wall and repair wall faces	m	57
	Q : 12 U : 0 W : 45 X : 0		
149	Remove existing timber shelving approximately 500mm wide including wallbands and steel brackets from plastered wall and repair wall faces	m	148
	Q : 86 U : 52 W : 10 X : 0		
150	Remove existing timber shelving approximately 1200mm wide including wallbands and steel brackets from plastered wall and repair wall faces	m	1
	Q : 0 U : 1 W : 0 X : 0		
151	Remove existing timber counter, overall size 900 x 1700mm long overall including support, brackets, etc.	No	1
	Q : 0 U : 0 W : 1 X : 0		
152	Remove existing timber counter, overall size 1100 x 5250mm long overall including support, brackets, etc.	No	2
	Q : 2 U : 0 W : 0 X : 0		
153	Remove existing timber counter, overall size 1100 x 6000mm long overall including support, brackets, etc.	No	1
	Q : 1 U : 0 W : 0 X : 0		
154	Remove existing pigeon holes underneath timber counter, overall size 500 x 6000mm long overall including support, brackets, etc.	No	1
	Q : 1 U : 0 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

IRONMONGERY

155	Carefully remove mirror, size 450 x 600mm high from plastered walls, repair finishes and prepare to receive new (elsewhere measured)	No	16
	Q : 9 U : 3 W : 2 X : 2		
156	Take off and remove existing glazed soap holders from tiled walls (tiles removed elsewhere) and prepare wall surface to receive new (elsewhere measured)	No	12
	Q : 10 U : 2 W : 0 X : 0		
157	Take off and remove existing soap dispenser from tiled walls (tiles removed elsewhere) and prepare wall surface to receive new (elsewhere measured)	No	6
	Q : 3 U : 2 W : 0 X : 1		
158	Take off and remove existing towel dispenser from tiled walls (tiles removed elsewhere) and prepare wall surface to receive new (elsewhere measured)	No	2
	Q : 0 U : 2 W : 0 X : 0		
159	Take off and remove existing chromium plated toilet roll holders plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	20
	Q : 13 U : 2 W : 1 X : 4		
160	Take off and remove existing chromium plated towel rail 900mm long plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	12
	Q : 5 U : 4 W : 1 X : 2		
161	Take off and remove existing stainless steel shelves 500 x 1850mm including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	4
	Q : 0 U : 4 W : 0 X : 0		
162	Take off and remove existing stainless steel shelves 350 x 900mm including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	5
	Q : 5 U : 0 W : 0 X : 0		
163	Take off and remove existing medical cabinet approximately 250 x 400 x 550mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	3
	Q : 3 U : 0 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

164	Take off and remove existing key cabinet approximately 150 x 450 x 350mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	4		
	Q : 3 U : 0 W : 1 X : 0				
165	Take off and remove existing suggestion box approximately 150 x 450 x 450mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	2		
	Q : 1 U : 0 W : 1 X : 0				
166	Take off and remove existing bumper rail including end brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	m	46		
	Q : 0 U : 46 W : 0 X : 0				
167	Take off and remove existing chalk board 3700 x 1250mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	1		
	Q : 0 U : 0 W : 1 X : 0				
168	Take off and remove existing pinning board 1200 x 900mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	1		
	Q : 0 U : 1 W : 0 X : 0				
169	Take off and remove existing pinning board 1000 x 1000mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	4		
	Q : 1 U : 0 W : 0 X : 3				
170	Take off and remove existing pinning board 1000 x 1200mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	1		
	Q : 1 U : 0 W : 0 X : 0				
171	Take off and remove existing pinning board 1650 x 1200mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	2		
	Q : 2 U : 0 W : 0 X : 0				
172	Take off and remove existing pinning board 1250 x 1250mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	2		
	Q : 0 U : 0 W : 2 X : 0				
Carried to Collection					R
Section No. 2					
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)					
Bill No. 1					
Alterations					

173	Take off and remove existing pinning board 1650 x 1400mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	3		
	Q : 3 U : 0 W : 0 X : 0				
174	Take off and remove existing pinning board 1800 x 1400mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	4		
	Q : 4 U : 0 W : 0 X : 0				
175	Take off and remove existing display board 1700 x 1200mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	1		
	Q : 1 U : 0 W : 0 X : 0				
<u>METALWORK</u>					
176	Take off and remove existing TV cage 700 x 1500 x 1000mm high including brackets plugged to plastered brick walls and repair wall faces and prepare to receive new (elsewhere measured)	No	2		
	Q : 1 U : 0 W : 1 X : 0				
177	Break down and remove existing diamond wire mesh fence, approximately 2100mm high, complete with all posts, double gate, droppers, concrete footings, concrete underdig, etc. including necessary excavations, filling, compaction, roughly levelling, etc.	m	190		
	Q : 168 U : 4 W : 0 X : 18				
<u>PLUMBING AND DRAINAGE</u>					
178	Cut through, take off and remove existing galvanised or copper piping not exceeding 50mm diameter, including fittings and brackets from roof space, plastered walls, etc., cut back and seal off piping into walls and repair finished faces	m	284		
	Q : 284 U : 0 W : 0 X : 0				
179	Cut through, take off and remove existing 100mm cast iron piping, including fittings and brackets from plastered walls, and repair finished faces where necessary	m	76		
	Q : 76 U : 0 W : 0 X : 0				
180	Cut through, take off and remove existing 40mm PVC piping, including fittings and brackets from plastered walls, and repair finished faces where necessary	m	98		
	Q : 98 U : 0 W : 0 X : 0				
Carried to Collection				R	
Section No. 2					
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)					
Bill No. 1					
Alterations					

181	Ditto, but for 50mm pipes Q : 49 U : 0 W : 0 X : 0	m	49
182	Ditto, but for 110mm pipes Q : 107 U : 0 W : 0 X : 0	m	107
183	Ditto, but for 110mm Bent access pan connector Q : 19 U : 0 W : 0 X : 0	No	19
184	Take off and remove taps, shower hoses, shower gratings, etc. from existing piping Q : 8 U : 2 W : 0 X : 2	No	12
185	Take off and remove from plastered brick walls existing stainless steel sink, complete with fittings, trap, pipes (sealed off into walls or floors), etc. and repair finished faces Q : 0 U : 1 W : 1 X : 0	No	2
186	Ditto, but existing vitreous china wash hand basin Q : 23 U : 3 W : 1 X : 2	No	29
187	Ditto, but existing autopsy tables to be handed to the client Q : 0 U : 3 W : 0 X : 0	No	3
188	Ditto, but existing fire hose reel Q : 4 U : 1 W : 0 X : 0	No	5
189	Take off and remove from plastered brick walls existing vitreous china low-level water closet, complete with cistern, fittings, flush pipe, water pipes (sealed off into walls), etc. and repair finished faces Q : 16 U : 2 W : 1 X : 4	No	23
190	Ditto, but for bath Q : 2 U : 0 W : 1 X : 0	No	3
191	Ditto, but for urinal Q : 4 U : 0 W : 0 X : 0	No	4

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 1

Alterations

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53

Carried Forward

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 1
Alterations

Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>EXISTING HOSPITAL (PROVISIONAL)</u></p> <p><u>BILL NO 2</u></p> <p><u>FOUNDATIONS</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C 2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of material to be excavated</u></p> <p>A geotechnical report has been carried out on site by the engineer and the report is available at the offices of the Engineers. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Excavation for working space in rock</u></p> <p>Notwithstanding the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as "extra over" bulk excavation or trench and hole excavation as the case may be</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p>			
<p>Carried to Collection</p>			R
<p>Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 2 Foundations</p>			

Testing

Prices for filling are to include for all necessary density tests in accordance with SABS 1200D

Subterranean water

No information regarding subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow therefore in his prices

NOTE: The following items shall be deemed to fall into Work Group No 104 for JBCC CPAP purposes

EARTHWORKS**EXCAVATION, FILLING, ETC****Excavation in earth or compacted filling not exceeding 2m deep**

1	Column Bases	m3	5
	Q : 2 U : 3 W : 0 X : 0		
2	Trenches	m3	58
	Q : 22 U : 26 W : 10 X : 0		
3	Trenches in existing buildings	m3	185
	Q : 173 U : 12 W : 0 X : 0		
4	Reducing levels to final levels under new floors, ramps, pavings, etc.	m3	31
	Q : 18 U : 4 W : 9 X : 0		
<u>Extra over excavations in earth for excavation in</u>			
5	Soft rock	m3	5
	Q : 2 U : 3 W : 0 X : 0		
6	Hard rock	m3	2
	Q : 1 U : 1 W : 0 X : 0		
<u>Extra over all excavations for carting away</u>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	258
	Q : 208 U : 31 W : 19 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 2
Foundations

R

Risk of collapse of excavations

8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	745
	Q : 555 U : 123 W : 67 X : 0		

Keeping excavations free of water

9	Keeping excavations free of water	Item	
---	-----------------------------------	------	--

Selected earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Modified AASHTO density

10	Backfilling to trenches, holes, etc.	m3	19
	Q : 8 U : 11 W : 0 X : 0		

Approved G7 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 95% Mod. AASHTO density

11	Under floors, steps, pavings, etc	m3	31
	Q : 18 U : 4 W : 9 X : 0		

50mm Thick coarse river sand filling supplied by the contractor

12	Under floors, paving	m2	311
	Q : 183 U : 41 W : 87 X : 0		

Compaction of surfaces

13	Compaction of ground surface under surface beds etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	311
	Q : 183 U : 41 W : 87 X : 0		

SOIL INSECTICIDE**Soil insecticide in accordance with SANS 5859**

14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming (Certificate to be supplied before payment is made)	m2	302
	Q : 178 U : 37 W : 87 X : 0		

15	To bottoms and sides of trenches and holes (Certificate to be supplied before payment is made)	m2	868
	Q : 710 U : 158 W : 0 X : 0		

Carried to Collection**R**

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 2
Foundations

NOTE: The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes

UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

Soilcrete

16	5% Cement by volume soilcrete	m3	60
	Q : 55 U : 5 W : 0 X : 0		

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

30MPa/19mm concrete

17	Strip footings	m3	56
	Q : 47 U : 9 W : 0 X : 0		
18	Column bases	m3	4
	Q : 2 U : 2 W : 0 X : 0		
19	Stub Columns	m3	1
	Q : 1 U : 1 W : 0 X : 0		

NOTE: The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes

ROUGH FORMWORK (DEGREE OF ACCURACY II)

Rough formwork to sides

20	Rectangular columns with total height not exceeding 1.5m high above bearing level in foundation	m2	7
	Q : 5 U : 2 W : 0 X : 0		

NOTE: The following items shall be deemed to fall into Work Group No 116 for JBCC CPAP purposes

MASONRY

Brickwork (14Mpa nominal compressive strength) in 3:1 cement mortar

21	One brick walls	m2	196
	Q : 161 U : 35 W : 0 X : 0		
22	330mm brick walls	m2	15
	Q : 15 U : 0 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 2
Foundations

R

Brickwork reinforcement

23	75mm Wide reinforcement built in horizontally in foundations	m	181
	Q : 181 U : 0 W : 0 X : 0		
24	150mm Wide reinforcement built in horizontally in foundations	m	2 488
	Q : 2076 U : 412 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 2
Foundations

R

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 2

Foundations

SUMMARY

Total Brought Forward from Page No.

Page
No

60

61

62

63

64

Amount

Carried Forward to Summary of Section No. 2

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 2
Foundations

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>EXISTING HOSPITAL (PROVISIONAL)</u></p> <p><u>BILL NO 3</u></p> <p><u>CONCRETE FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Type of cement</u></p> <p>All cement used in concrete work is to be OPC cement, no cement containing fly ash will be allowed</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Representative/Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Representative/Agent. (Test cubes are measured separately)</p> <p><u>Breeze concrete</u></p> <p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (1:12); the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated</p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 3 Concrete, Formwork & Reinforcement</p>		R	

Lightweight concrete

Lightweight concrete shall have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm

Formwork

Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself

Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described

Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described

Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

Smooth formwork

All smooth formwork must be cleaned, all unevenness removed, properly prepared and then finished with a final coat of cementitious paint to give a smooth and even finish

NOTE: *The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes*

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 3
Concrete, Formwork & Reinforcement

R

REINFORCED CONCRETE**30MPa/19 mm concrete in**

1	Surface beds in panels on waterproofing	m3	18
	Q : 14 U : 4 W : 0 X : 0		
2	Raft slab	m3	28
	Q : 13 U : 2 W : 13 X : 0		
3	Ground beams	m3	17
	Q : 6 U : 1 W : 10 X : 0		
4	Wall beams	m3	6
	Q : 6 U : 0 W : 0 X : 0		

TEST BLOCKS

5	Making and testing set of three 150 x 150 x 150 mm strength test cubes	Sets	13
	Q : 5 U : 4 W : 4 X : 0		

CONCRETE SUNDRIES**Finishing top surfaces of concrete smooth with a power float**

6	Surface beds, etc	m2	303
	Q : 178 U : 38 W : 87 X : 0		

NOTE: The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes

ROUGH FORMWORK (DEGREE OF ACCURACY II)**Rough formwork to sides and soffits**

7	Upstand beams with total height propped up exceeding 1,5m and not exceeding 3,5m high	m2	65
	Q : 65 U : 0 W : 0 X : 0		
8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	166
	Q : 70 U : 12 W : 84 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 3
Concrete, Formwork & Reinforcement

R

SMOOTH FORMWORK (DEGREE OF ACCURACY II)**Smooth formwork to sides and soffits**

9	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	3
	Q : 0 U : 3 W : 0 X : 0		

Boxing in rough formwork to form

10	Horizontal chamfer along edges of slab 25 x 25mm	m	6
	Q : 0 U : 6 W : 0 X : 0		

MOVEMENT JOINTS, ETC**Saw cut joints**

11	8 x 40mm Saw cut joints in top of concrete surface bed	m	3
	Q : 0 U : 3 W : 0 X : 0		

Expansion joints with 12mm Bitumen Impregnated softboard between vertical concrete and brick surfaces

12	12mm Joints not exceeding 300mm high	m	496
	Q : 460 U : 36 W : 0 X : 0		

NOTE: The following items shall be deemed to fall into Work Group No 114 for JBCC CPAP purposes

REINFORCEMENT**Mild steel reinforcement**

13	8mm Diameter bars	t	2.53
	Q : 1.51 U : 0.28 W : 0.74 X : 0.00		

High tensile steel rod reinforcement to structural concrete work

14	12mm Diameter bars	t	2.53
	Q : 1.51 U : 0.28 W : 0.74 X : 0.00		
15	16mm Diameter bars	t	2.53
	Q : 1.51 U : 0.28 W : 0.74 X : 0.00		
16	20mm Diameter bars	t	2.53
	Q : 1.51 U : 0.28 W : 0.74 X : 0.00		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 3
Concrete, Formwork & Reinforcement

R

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 3

Concrete, Formwork & Reinforcement

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
66	
67	
68	
69	
70	

Carried Forward to Summary of Section No. 2

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 3

Concrete, Formwork & Reinforcement

R

Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>EXISTING HOSPITAL (PROVISIONAL)</u></p> <p><u>BILL NO. 4</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Wall ties</u></p> <p>Descriptions of solid walls (except if built in English bond) and cavity walls shall be deemed to include metal wall ties complying with SABS 28 and of the butterfly or of the modified PWD type, of the required length with each end built at least 75mm deep into brickwork, spaced at not more than 1m centres alternatively to every third course of brickwork</p> <p><u>Cavity walls etc</u></p> <p>Descriptions of cavity walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p>_____</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 4 Masonry</p>			
		R	

NOTE: The following items shall be deemed to fall into Work Group No 116 for JBCC CPAP purposes

SUPERSTRUCTURE

Brickwork of clay bricks in 6:1 cement mortar

1	Half brick walls	m2	164
	Q : 114 U : 13 W : 37 X : 0		
2	One brick walls	m2	1 332
	Q : 1051 U : 123 W : 149 X : 9		
3	330mm brick walls	m2	29
	Q : 29 U : 0 W : 0 X : 0		

BRICKWORK SUNDRIES

4	200 x 200 x 25mm Thick non shrink grout under baseplate	No	32
	Q : 24 U : 8 W : 0 X : 0		
5	300 x 300 x 25mm Thick non shrink grout under baseplate	No	2
	Q : 0 U : 2 W : 0 X : 0		

Brick reinforcement

6	75mm Wide reinforcement built in horizontally	m	830
	Q : 664 U : 56 W : 110 X : 0		
7	150mm Wide reinforcement built in horizontally	m	4 426
	Q : 3535 U : 425 W : 439 X : 27		

Prestressed concrete lintels

8	110 x 75mm Lintels in lengths not exceeding 3m	m	396
	Q : 286 U : 26 W : 79 X : 5		
9	110 x 75mm Lintels in lengths exceeding 3m and not exceeding 4.5m	m	23
	Q : 23 U : 0 W : 0 X : 0		
10	110 x 75mm Lintels in lengths exceeding 4.5m and not exceeding 6m	m	10
	Q : 10 U : 0 W : 0 X : 0		

Galvanized hoop iron cramps, ties, etc

11	1.6 x 32 x 800mm long Galvanised hoop irons ties, one end built into existing brickwork side and other end build into new brickwork to form a joint.	No	1 284
	Q : 1272 U : 0 W : 12 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 4
Masonry

R

FIBRE CEMENT WINDOW SILLS

Sloping sills in single lengths bedded in class II mortar including metal fixing lugs at 400mm centres, minimum of 75mm from end of window sill etc

12	150 x 15mm thick window sill	m	147
	Q : 120 U : 4 W : 23 X : 0		

FACE BRICKWORK

Face brick, size 222 x 106 x 73mm, manufactured in accordance with 227:2007 (PC Amount of R7,500.00 per thousand bricks delivered to site, excluding VAT) pointed with recessed horizontal and vertical joints

Brick-on-edge header course copings, sills, etc of face bricks pointed with recessed joints on all exposed faces

13	Brick-on-edge header course coping on one brick wall, pointed on top and both faces to match existing	m	9
	Q : 0 U : 4 W : 5 X : 0		
14	Cut brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under	m	9
	Q : 0 U : 4 W : 5 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 4
Masonry

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 4
Masonry

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
------------	--------

72	
73	
74	

Carried Forward to Summary of Section No. 2
Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 4
Masonry

R	
---	--

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>EXISTING HOSPITAL (PROVISIONAL)</u>			
	<u>BILL NO 5</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 120 for JBCC CPAP purposes			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron black embossed polyethylene damp-proof course, with 200mm overlap at end laps & corners.</u>			
1	In walls, under sills, around windows, etc. Q : 36 U : 2 W : 7 X : 0	m2	45	
	<u>One layer of 250 micron green polyethylene waterproof sheeting sealed at laps with PVC self adhesive tape</u>			
2	Under surface beds and raft slab Q : 178 U : 37 W : 87 X : 0	m2	302	
3	To bottoms and sides of ground beams Q : 38 U : 6 W : 67 X : 0	m2	111	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)			
	Bill No. 5			
	Waterproofing			
			R	

Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>EXISTING HOSPITAL (PROVISIONAL)</u></p> <p><u>BILL NO 6</u></p> <p><u>ROOF COVERINGS, ETC</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>Guarantees</u></p> <p>The roof covering and cladding is to be carried out strictly in accordance with the manufacturer's instruction. On completion the roof covering and accessories are to be inspected by the Manufacturer who is to provide a 5 year guarantee against defective materials and faulty workmanship</p> <p>The roof is to be guaranteed weather tight for a period of 12 month period, calculated from the handed over date of the completed project</p> <p><u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 124 for JBCC CPAP purposes</i></p> <p>_____</p>			
<p>Carried to Collection</p>			<p>R</p>
<p>Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 6 Roof Coverings etc</p>			

PROFILED METAL SHEETING AND ACCESSORIES

0,53mm thick 406mm cover three trapezoidal ribs at 203 mm centres profile zinc/aluminium alloy-coated steel with proprietary paint system. AZ150 spelter G550 roof sheeting (Heavy Industrial) with a Colorbond finish to one side and a standard backing coat, (Non standard colour to Architect's approval), fixed to timber intermediate purlins at 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.11 x 45mm long self drilling wafer head PH2 screws, type 17 drill point fasteners, all in accordance with the manufacturer's specifications and installed by an approved contractor. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by manufacturer. Colours (Non standard) to Architect's approval. (F1-Block U)

1	Roof sheeting with pitch not exceeding 25 degrees, fixed to steel purlins Q : 0 U : 114 W : 0 X : 0	m2	114
	<u>Concealed Fix Zinc coating 0,58mm thick 700mm cover profile spelter top coat (Non-standard colour to Architect's approval) and backing coat (Non-standard colour to Architect's approval) galvanised steel roof sheeting, fixed to steel intermediate purlins at max 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.16 x 16mm long self-drilling wafer head screws, No. 3 drill point fasteners or fixed to timber intermediate purlins at 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.11 x 45mm long self-drilling wafer head screws, type 17 drill point fasteners, all in accordance with the manufacturer's specifications. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer. (F1-Block Q)</u>		
2	Roof sheeting with pitch not exceeding 25 degrees, fixed to steel purlins Q : 2038 U : 0 W : 96 X : 0	m2	2 134
	<u>Marley Super 6 fibre cement roof sheeting or similar to match existing roof sheeting to be installed to manufacturer's specification.</u>		
3	Roof sheeting with pitch not exceeding 25 degrees, fixed to steel purlins Q : 82 U : 0 W : 0 X : 0	m2	82

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 6
Roof Coverings etc

R

0.80mm Galvanised sheet iron flashings and accessories

4	0.80mm thick Z275 spelter ISQ550 Galvanised steel, girth 550mm apex flash, fixed in accordance with manufacturers specifications.(F4-Block Q)	m	199
	Q : 163 U : 0 W : 36 X : 0		
5	0.80mm thick Z275 spelter ISQ550 Galvanised steel, girth 375mm headwall flash, fixed in accordance with manufacturers specifications.(F4-Block Q)	m	134
	Q : 82 U : 52 W : 0 X : 0		
6	0.80mm thick Z275 spelter ISQ550 Galvanised steel, girth 375mm sidewall flash, fixed in accordance with manufacturers specifications. (F4-Block Q)	m	53
	Q : 0 U : 48 W : 5 X : 0		

RAINWATER DISPOSAL**0.58mm Galvanized sheet metal gutter including rivet-fixed mitres and end caps internally sealed using silicone sealant, hung by hangers at 600nn centres with downpipe. Install strictly to manufacturer's specifications (F2, F3-Block Q)**

7	125 x 100mm Eaves gutters to falls, with front edge, on and including gutter brackets fixed to steel roofs	m	115
	Q : 9 U : 70 W : 36 X : 0		
8	Extra over eaves gutter for outlet with nozzle for 100 x 75mm pipe	No	19
	Q : 0 U : 19 W : 0 X : 0		
9	75mm Diameter rainwater downpipes, fixed to walls with pre-painted downpipe cleats using nail-in anchor fixings	m	91
	Q : 4 U : 79 W : 8 X : 0		
10	Extra over for shoe	No	19
	Q : 0 U : 19 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 6
Roof Coverings etc

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 6

Roof Coverings etc

SUMMARY

Total Brought Forward from Page No.

Page
No

77

78

79

Amount

Carried Forward to Summary of Section No. 2

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 6

Roof Coverings etc

R

The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screws sunk and pelleted

Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing

Descriptions of floors, ceilings, joinery, etc shall be deemed to include for all square cutting

Descriptions of items given in lineal metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc

Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc shall be deemed to include for angles, ends, etc

Timber

All softwood to be South African Pine

NOTE: The following items shall be deemed to fall into Work Group No 126 for JBCC CPAP purposes

EAVES, VERGES, ETC

Pressed fibre cement

1	15 x 225mm Fascia board bolted to timber or steel purlins (elsewhere) with corrosion proof gutter bolts at maximum 1000mm centres butt jointed with and including standard fascia jointing plates at all joints	m	549
	Q : 369 U : 75 W : 105 X : 0		

DOORS, ETC

40mm Semi-solid core flush panel door with masonite finish both sides with hardwood concealed edge strip fitted with lock block to one edge

2	Single Door size 686 x 1870mm high	No	3
	Q : 3 U : 0 W : 0 X : 0		
3	Single Door size 813 x 1882mm high	No	7
	Q : 5 U : 0 W : 2 X : 0		
4	Single Door size 813 x 2032mm high	No	48
	Q : 21 U : 7 W : 11 X : 9		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

R

5	Single Door size 813 x 2032mm high and including one 250 x 450mm opening for viewing panel (glass elsewhere) fitted with 12 x 12mm glazing beads on both sides Q : 2 U : 0 W : 1 X : 0	No	3		
6	Single Door size 813 x 2032mm high and including one 350 x 350mm high opening for ventilation louvre (measured elsewhere) Q : 3 U : 4 W : 0 X : 0	No	7		
7	Single Door size 813 x 2032mm high and including one 450 x 450mm high opening for ventilation louvre (measured elsewhere) Q : 0 U : 3 W : 0 X : 0	No	3		
8	Single Door size 1020 x 1882mm Q : 2 U : 0 W : 0 X : 0	No	2		
9	Single Door size 1020 x 2032mm high Q : 4 U : 0 W : 0 X : 0	No	4		
10	Double Door size 1226 x 2032mm high with two unequal leaves, size approximately 450mm and 850mm wide respectively Q : 2 U : 0 W : 0 X : 0	No	2		
11	Double Door size 1511 x 1870mm high with two equal leaves Q : 1 U : 0 W : 0 X : 0	No	1		
12	Double Door size 1588 x 2032mm high with two equal leaves Q : 2 U : 4 W : 1 X : 2	No	9		
13	Double Door size 1588 x 2032mm high with two equal leaves and including two 250 x 450mm opening for viewing panel (glass elsewhere) fitted with 12 x 12mm glazing beads on both sides Q : 0 U : 1 W : 0 X : 0 <u>40mm Solid core flush panel door with masonite finish both sides with hardwood concealed edge strip fitted with lock block to one edge</u>	No	1		
14	Single Door size 813 x 2032mm high Q : 0 U : 0 W : 1 X : 0	No	1		
15	Single Door size 1020 x 2032mm high Q : 18 U : 0 W : 0 X : 0	No	18		
Carried to Collection				R	
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 7 Carpentry & Joinery					

16	<p>Double Door size 1588 x 2032mm high with two equal leaves</p> <p>Q : 4 U : 0 W : 0 X : 0</p> <p><u>COUNTERS, CUPBOARD AND WORK TOPS</u></p> <p><u>NOTE:</u> <i>The following counters and cupboards have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, etc Tops have been measured separately unless otherwise described)</i></p> <p><u>NOTE:</u> <i>All work tops shall be sealed against walls, around basins, sinks, etc with an approved type non-fungal sustaining clear silicone sealant</i></p> <p><u>General carcass material specification</u></p> <p>Unless otherwise specified, carcass construction of furniture components to be bison board V313 moisture resistant particle board in accordance with SANS EN 312:1997 or Supawood medium density fibreboard (MDF) SANS 540-1:1991, melamine surfaced to both faces bisonlam melamine faced board in accordance with SANS 1763:1998, finish in minimum 2mm thickness pvc edging</p> <p><u>General door material specification</u></p> <p>Unless otherwise specified door and drawer frontals to be form bisonbord V313 high moisture resistant particle board in accordance with SANS EN 312:1997 or Supawood medium density fibreboard (MDF) SANS 540-1:1991 surface in 0.8mm formica high pressure laminate (HPL) in accordance with SANS ISO 4586:1995 CL grade white liner to inner faces</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 7 Carpentry & Joinery</p>	No	4	
				R

General worktop material specification

Unless otherwise specified all worktops fitted to walls of fitted to cupboards and cabinets to be from bisonbord V313 high moisture resistant particle board in accordance with SANS EN 312-5:1997 moisture resistant particle board with profiled edges, Surface in formica high pressure laminate in accordance with SANS ISO 4586:1995 to upper faces and with formica high pressure laminate in accordance with SANS ISO 4586:1995 brown backer balancer to reversed faces. All worktops butting up against walls to be edged in formica high pressure laminate in accordance with SANS ISO 4586:1995 and exposed edges finished in minimum 3mm pvc edging to required widths. All worktops against tiles to receive coved tile trims (genesis flexi-bead pvc coat sfb 061/01) butting up against worktop and tile surfaces.

Worktops fitted independently to walls generally fixed by means of mild steel wall cleats and support brackets with powder coated finished wall cleat and support brackets.

Colour of worktops: PG Bison C-Choice range

General counter top material specification

Unless otherwise specified counter tops forming part of workstations and counters to be from Surinno solid surfacing material incorporating down stands profiled edges and up stands to design exhibiting seamless jointing. Apply onto supawood medium density fibre board in accordance with SANS 540-1:1991 support structures

General vanity top material specification

Unless otherwise specified vanity tops to be from Surinno solid surfacing material incorporate down stands profiled edges fitted up stands and cut-outs for moulded Surinno bowls and basins to design exhibiting seamless jointing. Apply onto supawood medium density fibreboard in accordance with SANS 540-1:1991 support structures. Vanity tops fitted independently to walls generally fixed by means of mild steel wall cleats and support brackets with powder coated finish. Support brackets to be fitted at centres not exceeding 500mm.

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

R

Wall cupboards - fixing to walls

Cupboard suspended from walls to be back mounted by means of cupboard suspension fittings fitted to cupboard side panels. Cupboards resting on floors to be screw and plugged, mounted to rear walls through cupboard top and bottom rear bearers fitted behind melamatched - 3mm Supawood colour matched to Melawood in-fill panels

Colour of cupboards:PG Bison D-Design range

Skirting finishing to floors

Cupboards with skirting finished to front and side of components to be installed to prevent water sea page. Cupboard base structure front panel from bisonbord V 313 high moisture resistant particle board in accordance with SANS EN 312-5:1997 to be embedded in a bed of silicone solution. Mounting of 0.8mm thick Formica high pressure laminate in accordance with SANS ISO 4586:1995 horizontal general purpose standard skirt panel to be silicone fitted to base structure behind.

Product Standards

- 1: FORMICA HPL (High Pressure Laminate) in accordance with SANS ISO 4586:1995
- 2: FORMICA Solid Core HPL (High Pressure Laminate) in accordance with SANS ISO 4586:1995
- 3: FORMICA Solid Core HPL - Writing Surface (White Writing Surface and Green Chalkboard) in accordance with CKS 36:2004 and SANS ISO 4586:1995
- 4: DECCON CPL (Continuous Pressed Laminate) in accordance with SANS 1762:1998
- 5: MELAWOOD MFB (MELAMINE Faced Board) in accordance with SANS 1763:1998
- 6: BISONLAM MFB (MELAMINE Faced Board) in accordance with SANS 1763:1998
- 7: SUPALAM MFB (MELAMINE Faced Board) in accordance with SANS 1763:1998
- 8: BISONBORD Particleboard in accordance with SANS EN 312-3:1996
- 9: Bisonbord V 313 (High Moisture Resistant) Particleboard in accordance with SANS EN 312-5:1997
- 10: SUPAWOOD MDF (Medium Density Fibreboard) in accordance with SANS 540-1:1991
- 11: Door / drawer postformed 900 profile on two long edges and finished in a minimum 2mm thick PVC edging (colour as per Colour Schedule) on two short edges
- 12: FORMICA Life Seal worktop wit 32mm Bisonbord HMR substrate, 0.8mm FORMICA HPL - HG/P surface and 0.8mm FORMICA HPL - BK brown backer

Carried to Collection

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 7

Carpentry & Joinery

R

Product Types

A - Horizontal General Purpose / Standard - HG/S
 B - Horizontal General Purpose / Postform - HG/P
 C - Vertical General Purpose / Standard - VG/S
 D - Vertical General Purpose / Postform - VG/P
 E - Cabinet Liner - CL
 F - Brown Backer - BK

Sample furniture

Architect may call upon sample furniture in order to evaluate quality and construction methods of joinery work.

Door hinges

To be boss type hinges for side panel mounting, including trim cups. Install minimum 2 hinges per leaf up to 1000mm high and maximum 600mm spacing for hinges on doors higher than 1000mm.

Grass type:

Twist Lock - Code 218835 - 4903/165 degrees
 Backing Plate - Code 310765 - 4,3 / 6,5 Cross Plate
 Euro Screws - Code 483545 - 6 x 13 - 1 pair

Drawer runners

To be full metal sided and rear - full retractable with 16mm Supalam melamine faced board in accordance with SANS 1763:1998 (colour:white) drawer bases

Metalbox type

Full extension (white)

Reference Sides 500mm deep x 150mm high

Reference Rear 150mm high 565.75.745

Sliding tray runners

To be full extension type, side mounted, soft roller

Hafele type

Length 350mm, extension length 375mm

Reference: 420.76.362

Carried to Collection

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 7

Carpentry & Joinery

R

Door locks (All doors and drawers to be lockable - keyed alike per room with Master key per Department)

To be from Cyberlock, short bolt travel left or right
(Finish : Nickel Plates)

SDT/GRASS REF: Rim Lock Nickle 22mm (Mastered)
7CL601-22-N

MOUNTING SCREWS: 746190 - 6x19 screws

Pigeon hole door locks

Pigeon hole special locks to be suitable for use of padlocks.

Hafele Type Level lock, zinc alloy, polished chrome,
with left or right hand locking
travel

Reference A-right 235.61.200

Reference B-Left 236.61.201

Drawer locks (Linked to Master Key System)

Drawers to be locked in series of four in height, with face fitting Cyberlock Central Locking system for recessing in the cabinet side panel

SDT/GRASS REF: 700mm Central Locking
System/Nickle (4 Drawer) 7CL603-700-N

MOUNTING SCREWS: 197480 - Zargen Locking
Bracket 749160 - 6x16 Screws

Carcass Connectors

For factory machined ready to assemble purpose

Blum Type

Knock-down Reference 42/070

Shelf supports

For factory machined ready to assemble purposes

Blum Type

Nylon Housing	Ref	40.4001
Nylon Cover Cap	Ref	41.5400
Finishing Screw	Ref	636.1050
Mylon Bush	Ref	41.1100

Carried to Collection

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 7

Carpentry & Joinery

R

Cupboard door catches

Buchel Type Elbow catch (rooster)
Reference B1566

Door stops

Hafele Type Press fit White
Reference 356.20.725

Worktop connectors

Hafele Type

Suitable for 32mm built-up Formica tops Minimum three
per 45° full joints Reference 262.96.211
Used in conjunction with Lamello joint pieces

Broomstick holders

For four holders per broom cupboard

Hafele Type
Reference 520.10.009

Distribution Cupboards - Pressure Catches

Type
Hafele - automatic spring catch to each door
Reference 245.54.701

Cabinet suspension fittings

Hafele Type
Reference Left-290.01.701
Reference Right-290.02.700
Suspension rail
Reference 290.02.900

Handles (To all doors and drawers)

Hafele Type
Reference 129.57.701 (Colour as per Colour
Schedule)

Ventilation grilles (To all CPU cupboards - CupF026)

Six ventilation grills - finish plastic, chrome plated.

Hafele Type Reference 571.54.220

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

R

Wardrobe rail (full length of cupboard hang space)

Length x 25mm Nickel plated polished wardrobe rail.

Hafele Type Reference 801.11.741

Two rail end support per rail Nickel plated.

Hafele Type Reference 803.51.757

Colours for cupboards to be PG Bison C-Choice range and colours for worktops to be PG Bison D-Design range

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

R

FLOOR CUPBOARD**Purpose made**

- 17 450mm x 560mm x 880mm high floor cupboard, four pull-out drawers equal in height, comprising base structure from:
- Surface : Bisonlam Melamine Faced Board (MFB) in accordance with SANS 1763:1998 to side panels, Finish to front face with FORMICA HPL (High Pressure Laminate with Loglare finish) in accordance with SANS ISO 4586:1995 HG/S Horizontal General Purpose / Standard 0.8mm thick.
- Substrate: 16mm Bisonbord V313 (High Moisture Resistant) Particleboard SANS EN 312-5:1997 bottom fixed base, fixed mid-shelf and 75mm wide cross bearers to top and rear of cupboard.
- Backer : Bisonlam Melamine Faced Board (MFB) in accordance with SANS 1763:1998 to side panels, Finish to outer face with 0.8mm Formica HPL (High Pressure Laminate with Loglare finish) in accordance with SANS ISO 4586:1995 HG/S Horizontal General Purpose / Standard 0.8mm thick. Edge all round with minimum 2mm thick PVC edging, colour as per Colour Schedule. 3mm Melamatched WHITE rear in-fill panel, groove mounted to panels, 100mm high recessed skirting.
- Drawers from:
- Surface : 0.8mm Formica High Pressure Laminate (HPL) SANS 4586:1995 HG/P Horizontal General Purpose / Postformable grade
- Substrate : 16mm BISONBORD Particleboard SANS EN 312-3:1996 finish on outer face with
- Backer : 0.8mm Formica High Pressure Laminate (HPL) SANS 4586:1995 White cabinet liner to inside.
- Drawer edges finished all round in a minimum 3mm thick PVC edging, colour to Architect's approval.

Q : 6 U : 0 W : 3 X : 0

No

9

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

R

18	<p>450mm x 560mm x 2040mm high floor cupboard comprising base structure, bottom base, sides, fixed upper shelf, top, rear and single hinged door. Construct completely from:</p> <p>Surface: 1.2mm Formica High Pressure Laminate (HPL with Loglare finish) SANS ISO 4586:1995 HG/S Horizontal General Purpose.</p> <p>Substrate: 16mm Bisonbord V313 (High Moisture Resistant) Particleboard in accordance with SANS EN 312-5:1997.</p> <p>Backer : 1.2mm Formica High Pressure Laminate (HPL with Loglare finish) SANS ISO 4586:1995 HG/S Horizontal General Purpose. All cupboard components edged in 3mm PVC edging all round, colour as per Architect. Fabrication cut outs, i.e. hinge pockets, etc. to receive a water repellent solution prior to mounting of components. Skirting 100mm to be finished in 0.8mm thick FORMICA HPL (High Pressure Laminate with Loglare finish) in accordance with SANS ISO 4586:1995 HG/S Horizontal General Purpose / Standard type. All exposed edges are to be properly sealed with a minimum of 2 coats of exterior grade Polyurethane varnish to prevent moisture ingress. Fix to wall. Door / drawer edges finished all round in a minimum 3mm thick PVC edging, colour to Architect's approval.</p> <p>Q : 1 U : 1 W : 0 X : 0</p>	No	2	
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 7 Carpentry & Joinery</p>			R

19	<p>900mm x 560mm x 880mm high floor cupboard with double doors of equal size, comprising base structure from:</p> <p>Surface: Bisonlam Melamine Faced Board (MFB) in accordance with SANS 1763:1998 to side panels, Finish to front face with FORMICA HPL (High Pressure Laminate with Loglare finish) in accordance with SANS ISO 4586:1995 HG/S Horizontal General Purpose / Standard 0.8mm thick.</p> <p>Substrate: 16mm Bisonbord V313 (High Moisture Resistant) Particleboard SANS EN 312-5:1997 bottom fixed base, fixed mid-shelf and 75mm wide cross bearers to top and rear of cupboard.</p> <p>Backer : Bisonlam Melamine Faced Board (MFB) in accordance with SANS 1763:1998 to side panels, Finish to outer face with 0.8mm Formica HPL (High Pressure Laminate with Loglare finish) in accordance with SANS ISO 4586:1995 HG/S Horizontal General Purpose / Standard 0.8mm thick. Edge all round with minimum 2mm thick PVC edging, colour as per Colour Schedule. 3mm Melamatched WHITE rear in-fill panel, groove mounted to panels, 100mm high recessed skirting</p> <p>Hinged doors over full width and height from: Surface: 0.8mm Formica High Pressure Laminate (HPL) SANS 4586:1995 HG/P Horizontal General Purpose / Postformable grade</p> <p>Substrate: 16mm BISONBORD Particleboard SANS EN 312-3:1996 finish on outer face with</p> <p>Backer: 0.8mm Formica High Pressure Laminate (HPL) SANS 4586:1995 White cabinet liner to inside. Door / drawer edges finished all round in a minimum 3mm thick PVC edging, colour to Architect's approval.</p> <p>Q : 9 U : 1 W : 3 X : 0</p>	No	13
----	---	----	----

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

R

WALL CUPBOARD**Purpose made**

20	900mm x 300mm x 720mm high wall cupboard with one pair double doors, comprising bottom panel, side panel, fixed mid-shelf and top panel from 16mm BISONLAM MFB (MELAMINE Faced Board) in accordance with SANS 1763:1998 edged all round in 2mm PVC edging, colour to be advised. 3mm MELAWOOD WHITE rear in-fill panel, groove mounted to panels. Hinged door over full width and height from 16mm BISONBORD Particleboard in accordance with SANS EN 312-3:1996 finished on outer face with DECCON CPL (Continuous Pressed Laminate) in accordance with SANS 1762:1998 VG/P Vertical General Purpose / Postform type 0,5mm and DECCON CPL (Continuous Pressed Laminate) in accordance with SANS 1762:1998 CL white liner type 0.35mm thick WHITE cabinet liner to inside. Door / drawer edges finished all round in a minimum 3mm thick PVC edging, colour to Architect's approval.	No	1
	Q : 0 U : 0 W : 1 X : 0		

FLOOR CUPBOARD TOPS

Formica Lifeseal worktop with 32mm bisonboard HMR substrate 0.8mm formica HPL - HG/P surface and 0.8mm formica HPL-BK brown backer worktops with 180 degree post-formed bull nose edges to long ends on either side. Colour to Architects approval.

21	32mm Post-formed top 640mm wide	m	53
	Q : 35 U : 5 W : 13 X : 0		

SUNDRIES**Mild steel brackets**

22	Support brackets 520mm long for tops weld to joints, pre-drilled and countersunk holed for wall and worktop fixings formed of 32 x 32 x 3.2mm thick mild steel square tube white power coated (See <u>Drawing 045-S01-S04</u> attached to the back of these bills of quantities)	No	53
	Q : 35 U : 5 W : 13 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

R

NURSES COUNTER AND RECEPTION COUNTER

Counter combination consisting of the following:

01 - 12 mm Avonite Surfaces (or similar), applied to a 20mm Supawood Substrate (colours to be defined)

02 - 32mm Supawood Substrate with a 2MM Fenix NTM laminate (or similar). Colour to be defined.

03 - Outer counter vertical decorative face: 5mm Max on Top Advance Pal (or similar) on a 32 mm substrate with a non decorative brown backer on the alternative side (colours to be defined)

04 - Decorative outer panel, with a Max on Top laminate (or similar) applied to 16mm Supawood substrate with a non decorative brown backer on the alternative side. Colour to be defined.

05 - Aluminium sheet skirting panel, bonded with adhesive to 16mm Supawood skirting panel.

P1 - Small partition (P1) consisting of 20mm Varia panel from 3Form-Ergo System, translucent partition made of 40% recyclable material, with decorative inlay or similar. Design inlay to be confirmed. As per detail

P2 - Large partition (P2) consisting of 20mm Varia panel from 3Form-Ergo System, translucent partition made of 40% recyclable material, with decorative inlay or similar. Design inlay to be confirmed. As per detail

23	Counter Q-001 complete (See <u>Drawing Q045-001, Q045-201, Q045-202, 045-410, 045-411, 045-503</u> attached to the back of these bills of quantities) Q : 1 U : 0 W : 0 X : 0	No	1
24	Counter Q-002 complete (See <u>Drawing Q045-002, Q045-203, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities) Q : 1 U : 0 W : 0 X : 0	No	1
25	Counter Q-003 complete (See <u>Drawing Q045-003, Q045-204, 045-410, 045-411, 045-503</u> attached to the back of these bills of quantities) Q : 1 U : 0 W : 0 X : 0	No	1

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

26	Counter U-001 complete (See <u>Drawing U045-001, U045-201, 045-410, 045-411, 045-504</u> attached to the back of these bills of quantities)	No	1
	Q : 0 U : 1 W : 0 X : 0		
27	Counter W-001 complete (See <u>Drawing W045-001, W045-201, 045-410, 045-411, 045-504</u> attached to the back of these bills of quantities)	No	1
	Q : 0 U : 0 W : 1 X : 0		
<u>TIMBER SHELVING, ETC</u>			
<u>18mm SupaWood super white shelves</u>			
28	500mm wide shelving screwed to steel brackets (elsewhere), including 18mm x 2mm PVC impact edging to exposed sides	m	218
	Q : 143 U : 26 W : 49 X : 0		
<u>Standard double slotted epoxy powder coated finish</u>			
29	Wallbands, 200mm long, plugged to brickwork or concrete	No	4
	Q : 4 U : 0 W : 0 X : 0		
30	Wallbands, 2100mm long, plugged to brickwork or concrete	No	55
	Q : 35 U : 7 W : 13 X : 0		
31	457mm Shelf bracket	No	283
	Q : 183 U : 35 W : 65 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 7
Carpentry & Joinery

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 7

Carpentry & Joinery

SUMMARY

Total Brought Forward from Page No.

**Page
No** **Amount**

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

Carried Forward to Summary of Section No. 2

R

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 7

Carpentry & Joinery

ROOF INSULATION

Reinforced Aluminium Foil (Rval -1.3) Fire retardant industrial grade reinforced aluminium foil insulation double sided, durable, reflective foil laminate incorporating a fire retardant between the various substrates, bonded together with low density polyethene, tested for conformance with SANS 1381-4:2009 , with a Class 1 fire rating in accordance with SANS 10177 - 3:2005 and ASTM E84 and BS 476 part 5, 6 and 7, with purlins spaced at greater than 1500mm centres with top and bottom edges folded around flat bar and fixed to ridge and eaves purlins all to manufacturer specifications and recommendations, and drawn tautly over and fixed to intermediate purlins with double sided tape or contact adhesive and supported between purlins by 1.6mmØ double galvanised straining wires starting at 75mm centre then 275mm, 275mm, 275mm, 275mm and 75mm centres across each roll width securely fixed across top of purlins, with Reinforced aluminium foil lapped 150mm on both sides of each 1250mm width roll. All in accordance with the manufacturer's and/or supplier's specifications and recommendations. (D14)

1	Insulation laid taut over purlins (at approximately 1100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires.	m2	2 330
	Q : 2120 U : 114 W : 96 X : 0		

CEILING INSULATION

100mm Thick non-combustible light weight fibreglass Glasswool thermal ceiling insulation 12kg/m³ closely fitted with ends butted firmly between tie beams and laid loose on top of brander between roof timbers, all in accordance with manufacturer's recommendations. (C1 , C2-Block Q)

2	Ceiling insulation	m2	1 637
	Q : 1375 U : 262 W : 0 X : 0		

NAILED UP CEILINGS**Wrought softwood**

3	38 x 114mm Ceiling joists	m	372
	Q : 110 U : 262 W : 0 X : 0		
4	38 x 114mm Ceiling joists plugged to brickwork	m	402
	Q : 118 U : 284 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 8
Ceilings, Partitions & Access Flooring

	<u>6mm Thick straight edge medium density plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, fixed to 38 x 50mm battens fixed to steel trusses at 600mm centres using 32 x 2,5mm serrated ceiling nails at 150mm centres, minimum of 12mm from edge of board. All joints to be covered using H-profile PVC jointing strips, all in accordance with the manufacturer's recommendations. (D3)</u>					
5	Ceilings	m2	262			
	Q : 0 U : 262 W : 0 X : 0					
	<u>Gypsum plasterboard cornice</u>					
6	75mm Coved cornice fixed to wall and ceiling with approved adhesive	m	284			
	Q : 0 U : 284 W : 0 X : 0					
	<u>Hardwood Cornice (D2, D3)</u>					
7	46mm x 24mm Hardwood Cornice, complete with 10mm x 10mm shadow-line at sidewall and splayed corner at internal face	m	155			
	Q : 155 U : 0 W : 0 X : 0					
	<u>METAL CEILING</u>					
	<u>Sheet metal ceiling panels with zinc coating finish 50 x 270mm strip to be used as ceiling following the slope of the roof, fixed to 75 x 50 x 3mm lip channel at max. 2000mm c/c. (C2-Block Q)</u>					
8	Bond-lock ceiling	m2	125			
	Q : 125 U : 0 W : 0 X : 0					
9	Bond-lock ceiling set sloping	m2	560			
	Q : 560 U : 0 W : 0 X : 0					
	<u>Angle iron cornice to be bolted in wall at max 1000mm c/c, and screw fixed to metal ceiling</u>					
10	60 x 60 x 5mm Angle iron fixed to walls	m	599			
	Q : 599 U : 0 W : 0 X : 0					
11	6mm Diameter expansion bolt, 75mm long, including mortice in brickwork or concrete	No	718			
	Q : 718 U : 0 W : 0 X : 0					
Carried to Collection						
Section No. 2						
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)						
Bill No. 8						
Ceilings, Partitions & Access Flooring						

R

IBR CEILING

0,58mm Thick 686mm cover IBR Galvanised Z275 roof sheeting, fixed to existing ceiling boards and brandering at 400mm centres with approved fasteners and seals. Side laps to be secured using approved fasteners at centres not exceeding 500mm and sealed with approved tape with minimum 100mm end laps, all in accordance with the manufacturer`s recommendations. (C1-Block W)

12	IBR ceiling	m2	321
	Q : 0 U : 0 W : 218 X : 103		
	<u>Angle iron cornice to be bolted in wall at max 1000mm c/c, and screw fixed to IBR sheeting</u>		
13	30 x 30 x 2mm Angle iron fixed to walls	m	315
	Q : 0 U : 0 W : 227 X : 88		
14	6mm Diameter expansion bolt, 75mm long, including mortice in brickwork or concrete	No	378
	Q : 0 U : 0 W : 272 X : 106		

SUSPENDED CEILINGS**Note:**

Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 8
Ceilings, Partitions & Access Flooring

Supply and install Calcium Silicate ceiling tiles size 1200 x 600 x 6mm with White vinyl face finish and aluminium foil backing with 55/135mm cavity batt bonded to the back of the tile. (All to comply minimum required total r-value for climatic zones according to sans 10400-xa:2011) laid onto pre-painted white exposed tee grid system including fire safety punch outs. Main tees suspended by means of 19 x 0.5mm GMS strap/ 2.5mm wire hangers at 1200mm centres. Ceiling perimeter to be finished with prepainted shadow trims, installed strictly to manufacturer's specifications. Colour to Architect's approval complete with SABISA certificate. (C1-Block Q)

15	Ceilings suspended exceeding 1m and not exceeding 2m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	402
	Q : 402 U : 0 W : 0 X : 0		
16	Ceilings suspended exceeding 2m and not exceeding 3m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	206
	Q : 206 U : 0 W : 0 X : 0		
17	Ceilings suspended exceeding 2m and not exceeding 3m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres) steel trusses set sloping	m2	63
	Q : 63 U : 0 W : 0 X : 0		
	<u>Concealed grid ceiling fire rated ceiling system consisting of 2 layers of firestop 15mm fixed to a secondary framework of steel bracing. The secondary framework is fixed to the primary framework consisting of donn ultrasteel 51mm suspended using galvanised steel angle 25mm x 25mm. 60 minute fire rating. Tested in accordance with SANS 10177:2 - see also detail drawings. All as per manufacturer's instructions complete with SABISA certificate (C3-Block Q)</u>		
18	Ceilings suspended exceeding 1m and not exceeding 2m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	14
	Q : 14 U : 0 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 8
Ceilings, Partitions & Access Flooring

R

19	Ceilings suspended exceeding 2m and not exceeding 3m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	5
	Q : 5 U : 0 W : 0 X : 0		
	<u>Shadowline trim to be pre-painted and sealed with a silicone sealant. (D1)</u>		
20	Shadowline cornice, plugged to walls	m	701
	Q : 688 U : 13 W : 0 X : 0		
21	Shadowline cornice, plugged to walls circular on plan	m	4
	Q : 4 U : 0 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 8
Ceilings, Partitions & Access Flooring

SUSPENDED PLASTERED GYPSUMBOARD CEILINGS AND BULKHEADS

Flush plastered bulkheads with 9mm thick tapered edge plasterboard fixed at right angles to 35mm galvanised steel main and cross tees at 300mm centres, using 25mm drywall screws at 150mm centres. All joints to be taped and plastered with Skimming Paster and prepared for decoration. Complete with SABISA certificate. (D15)

22	Sides of bulkheads, suspending exceeding 2m and not exceeding 3m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	19
	Q : 15 U : 4 W : 0 X : 0		
23	Soffits of bulkheads, suspending exceeding 2m and not exceeding 3m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	26
	Q : 20 U : 6 W : 0 X : 0		
24	Extra over for circular cutting	m	3
	Q : 3 U : 0 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 8
Ceilings, Partitions & Access Flooring

R

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 8

Ceilings, Partitions & Access Flooring

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
---------	--------

98	
99	
100	
101	
102	
103	
104	

Carried Forward to Summary of Section No. 2

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 8

Ceilings, Partitions & Access Flooring

R

BUMPER RAILS

Extruded rigid PVC grey high impact resistant bumper rail wall protection system - top of rail to be 800mm above FFL, comprising 200mm high x 29mm deep lipped channel profile (clipped onto 25mm wide uPVC brackets, plugged and screwed to solid brick wall at maximum 400mm centres. Height above floor as by detail. (H2-Block U)

1	Bumper rail fixed to wall	m	41
	Q : 0 U : 41 W : 0 X : 0		
2	Extra over for stop ends, etc.	No	22
	Q : 0 U : 22 W : 0 X : 0		
3	Extra over for corners	No	7
	Q : 0 U : 7 W : 0 X : 0		

VINYL TILES

Semi flexible vinyl floor tiles (type and colour to match existing) size 300 x 300mm x thickness to match existing, manufactured in accordance with SANS 581, laid in acrylic adhesive spread with a trowel fitted with an A2 notched blade at a rate of between 5.5m² and 6.5m² per litre on suitably prepared subfloor (elsewhere specified) in accordance with SANS 10070. (A1-Block W)

4	Vinyl tiles on floors	m2	173
	Q : 0 U : 0 W : 173 X : 0		

VINYL SHEETING

2mm Thick Polyurethane reinforcement Group T homogeneous and monolayer non-directional multi-flake design vinyl floor sheeting (colour to architects approval), laid in acrylic adhesive spread with a notched trowel on suitably prepared cement screed floors with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible coloured welding rod to provide a smooth, hygienic sealed finish and rolled with 68kg articulated floor roller, all in accordance with manufacturer's recommendations. (A47)

5	Seamless vinyl floor sheets on floors	m2	1 410
	Q : 1169 U : 143 W : 0 X : 98		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 9
Floor Coverings Plastic Linings etc

R

6	200mm Wide border x 200mm high turn up against walls, including welding to floor covering (floor covering elsewhere) including all formed internal and external corners Q : 907 U : 113 W : 0 X : 63	m	1 083
	<u>2mm Thick heavy duty safety vinyl floor sheeting (colour to architects approval), containing silicon carbide, aluminium oxide granules and coloured quartz through its entire thickness to provide a non-skid surface laid in approved contact adhesive spread with a notched trowel on suitably prepared cement screed floors, with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible coloured welding rod to provide a smooth, hygienic sealed finish and rolled with 68kg articulated floor roller, all in accordance with manufacturer's recommendations. (A12)</u>		
7	Seamless vinyl floor sheets on floors Q : 164 U : 90 W : 52 X : 23	m2	329
8	200mm Wide border x 200mm high turn up against walls, including welding to floor covering (floor covering elsewhere) including all formed internal and external corners Q : 258 U : 90 W : 65 X : 31	m	444
	<u>SKIRTINGS, NOSINGS, ETC</u>		
	<u>Cappings, cove formers, etc (B10, B11, B14, B20)</u>		
9	20mm Cove, all in accordance with manufacturer's specifications. Q : 1165 U : 204 W : 65 X : 94	m	1 528
10	Clip-Top base, glue to wall with an approved adhesive, all in accordance with manufacturer's specifications. Q : 1165 U : 204 W : 65 X : 94	m	1 528
11	Clip-Top capping, colour to architects approval, all in accordance with manufacturer's specifications Q : 1165 U : 204 W : 65 X : 94	m	1 528
12	Extra over for taper end piece 150mm long, all in accordance with manufacturer's specifications. Q : 0 U : 564 W : 0 X : 0	No	564

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 9
Floor Coverings Plastic Linings etc

MOISTURE BARRIER ON FLOORS

Ensure surfaces are free of paint, greases, oils and other contaminants and the pores of the base floor are open and suitably prepared to receive the moisture barrier. Apply an extremely high density, moisture tolerant, chemically enhanced 100% solids epoxy moisture barrier coat that prevents the passage of water vapour and moisture through concrete slabs to be applied as per the manufacturer's instruction in at least 2 coats at 90 degrees to each other

13	Approved moisture barrier on new screed	m2	1 739
	Q : 1333 U : 233 W : 52 X : 121		

SEALERS

Two coats floor dressing as recommended by the manufacturer of the floor coverings on vinyl flooring (stripping and sealing)

14	On floors	m2	2 218
	Q : 1566 U : 274 W : 238 X : 140		

EXPANSION JOINTS COVERS

Expansion joint cover strip, all in accordance with manufacturer's specifications. Strip and welding rod colours to Architects approval

15	On floors (See <u>Drawing HDG-TYP-043-004</u> attached to the back of these bills of quantities)	m	25
	Q : 25 U : 0 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 9
Floor Coverings Plastic Linings etc

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 9
Floor Coverings Plastic Linings etc

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
------------	--------

106	
107	
108	
109	

Carried Forward to Summary of Section No. 2
Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 9
Floor Coverings Plastic Linings etc

R

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>EXISTING HOSPITAL (PROVISIONAL)</u>			
	<u>BILL NO 10</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 132 for JBCC CPAP purposes			
	<u>IRONMONGERY TO DOORS</u>			
	<u>HINGES, BOLTS, ETC</u>			
	<u>"GEZE" or similar approved</u>			
1	100 x 75mm Stainless steel rising butt hinge Q : 237 U : 87 W : 57 X : 9	No	390	
2	Stainless steel continues hinge 2032mm long Q : 30 U : 0 W : 2 X : 0	No	32	
3	150 x 20mm Satin chrome lever flush bolt 120/150, (Code: ESA15001) fixed to surface with matching screws. Q : 13 U : 7 W : 2 X : 1	No	23	
4	300 x 20mm Satin chrome lever flush bolt 120/300, (Code: ESA30001) fixed to surface with matching screws. Q : 11 U : 7 W : 2 X : 1	No	21	
5	Dust keep for flush bolt (Code: GZZWDUSTK) Q : 12 U : 7 W : 1 X : 1	No	21	
6	HZ595 Exidor slimline double panic bolt set Q : 4 U : 0 W : 0 X : 0	No	4	
7	HA2950SR Exidor double panic bolt complete silver Q : 5 U : 0 W : 0 X : 0	No	5	
	Carried to Collection			
	Section No. 2			
	SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)			
	Bill No. 10			
	Ironmongery			

CATCHES, CABIN HOOKS, ETC**"GEZE" or similar approved**

8	Stainless Steel adjustable roller latch 661/32 (Code: GE311071)	No	4
	Q : 4 U : 0 W : 0 X : 0		

LOCKS**"GEZE" or similar approved**

9	76mm Profile cylinder sash lock as (Code: 325/51)	No	28
	Q : 13 U : 15 W : 0 X : 0		
10	76mm Profile cylinder deadlock as (Code: 342/51)	No	17
	Q : 3 U : 3 W : 11 X : 0		
11	WC indicator turn with mortice lock 195/01, (Code: ESE00202) fixed to surface with matching screws.	No	22
	Q : 17 U : 1 W : 4 X : 0		
12	IG950933108 Nickel plated double cylinder 43mm standard	No	46
	Q : 41 U : 1 W : 3 X : 1		
13	IG950930308 Nickel plated double cylinder 60mm standard	No	53
	Q : 22 U : 18 W : 13 X : 0		
14	IG950933338 Nickel plated double cylinder 66mm standard	No	9
	Q : 6 U : 2 W : 0 X : 1		
15	Rebate conversion set for 76mm lock (Code: 130/81)	No	9
	Q : 4 U : 5 W : 0 X : 0		
16	642/35 Deadlock euro cylinder N/S stainless steel 35mm B/S	No	20
	Q : 13 U : 3 W : 3 X : 1		
17	187254 AR910 Anti-Ligature large backset mortice lock case	No	27
	Q : 25 U : 0 W : 2 X : 0		
18	HA3020SR Exidor outside access device W/O cylinder	No	5
	Q : 5 U : 0 W : 0 X : 0		
19	625/50 Saslock euro cylinder with drawback latch near side stainless steel 50mm back side	No	8
	Q : 7 U : 0 W : 0 X : 1		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

R

20	Keyhole escutcheons Stainless steel pair as "code ED908"	No	3
	Q : 0 U : 3 W : 0 X : 0		
21	GZZW0045 Stainless steel narrow style cylinder escutcheon	No	11
	Q : 9 U : 0 W : 1 X : 1		
22	187253 AR3901 Anti-Ligature euro profile cylinder escutcheon	No	29
	Q : 29 U : 0 W : 0 X : 0		
23	187245 AR3901 Anti-Ligature euro profile cylinder escutcheon	No	1
	Q : 1 U : 0 W : 0 X : 0		
<u>HANDLES</u>			
<u>"GEZE" or similar approved</u>			
24	075/JD152 GEZE plate 150 x 300 x 1.6 stainless steel complete with JD213/152 BT pull handle	No	3
	Q : 0 U : 3 W : 0 X : 0		
25	JD213/305F GEZE pull handle 305CTC flange fixing stainless steel	No	12
	Q : 10 U : 2 W : 0 X : 0		
26	JD213/111 BT GEZE b thr stainless steel pull handle 130 x 111 x 19mm	No	6
	Q : 4 U : 0 W : 1 X : 1		
27	EDE101C69 DAYTONA lever 160 x 160 x 1.6mm cylinder consist of stainless steel back plate	No	80
	Q : 28 U : 30 W : 22 X : 0		
28	JDC215/350 Back to back stainless steel push handle 375 x 350 x 25mm	No	20
	Q : 8 U : 8 W : 4 X : 0		
29	187211 AR3903 Anti-Ligature back to back flush pull set	No	6
	Q : 6 U : 0 W : 0 X : 0		
30	187210 AR3904 Anti-Ligature 45 lever set on rose	No	58
	Q : 52 U : 0 W : 4 X : 2		
31	187208 AR3902 Anti-Ligature pull handle back to back	No	22
	Q : 22 U : 0 W : 0 X : 0		
32	Brass satin chrome ring flush pull handle 56/76, (Code: EDS50076) fixed to surface with matching screws.	No	5
	Q : 5 U : 0 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

PUSH PLATES AND KICKING PLATES**"GEZE" or similar approved**

33	Stainless steel push plate (Code: 79/160), size 160 x 160 x 1.2mm with electrical outline engraving (code: EP15069E/E).	No	1
	Q : 1 U : 0 W : 0 X : 0		
34	Stainless steel push plate (Code: 79/160), size 160 x 160 x 1.2mm with fire hose reel outline engraving (code: EP15069E/FHR).	No	3
	Q : 3 U : 0 W : 0 X : 0		
35	Stainless steel push plate (Code: 79/300), size 300 x 160 x 1.6mm	No	7
	Q : 4 U : 3 W : 0 X : 0		

DOOR CLOSERS**"GEZE" or similar approved**

36	"Geze AZ1503SR TS1500G" Door closer complete with standard guide rail silver	No	3
	Q : 0 U : 3 W : 0 X : 0		
37	"Geze AZ2001SR" TS2000VP DCL with parallel arm bracket SR	No	1
	Q : 1 U : 0 W : 0 X : 0		
38	"Geze AZ2003SR 2000G-SE" OH Door closer with guide rail size 2-5 SE	No	15
	Q : 10 U : 3 W : 2 X : 0		
39	"Geze AZ3034SR" O.H Double door closer system with internal mechanical closing sequence control rail	No	9
	Q : 9 U : 0 W : 0 X : 0		
40	"Geze AZ4001DA 4000/P/DA/SE O.H" Door closer delayed closing	No	5
	Q : 4 U : 1 W : 0 X : 0		
41	"Geze AZ4003DA 4000G/DA/SE" O.H Door closer delayed closing guide rail 1-5 Silver	No	4
	Q : 4 U : 0 W : 0 X : 0		
42	"Geze BZ500NVSS" TS500 NV double action floor spring s/o stainless steel complete	No	2
	Q : 2 U : 0 W : 0 X : 0		
43	AD4372 H-open Guide rail	No	5
	Q : 5 U : 0 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

R

SUNDRIES**"GEZE" or similar approved**

44	Stainless steel floor mounted door stop 140/69, (Code: ESC00069) fixed to surface with matching screws. Q : 13 U : 24 W : 11 X : 0	No	48
45	187256 Anti-ligature RT-131-105 emergency release door stop Q : 8 U : 0 W : 0 X : 0	No	8
46	HA3040SR Exit Alarm Q : 5 U : 0 W : 0 X : 0	No	5
47	HA500-LEASR Exidor 500 series o/side access device - no cylinder Q : 4 U : 0 W : 0 X : 0	No	4

CURTAIN TRACKS

Cubicle bedscreen rails formed of natural anodised extruded profile formed to accommodate bed closures complete with 12 runners per metre, end stops, spacers and wall mountings. Fixed direct to ceiling including timber supports of 50 x 38mm pine, with and including bedscreen curtains standard height, manufactured in a poly-cotton/nylon non-iron non-stain fully washable material at a ratio of 1:25 to length of rail. (TRA001-060)

48	Hospital cubicle curtain track including gliders, hangers, brackets, bedscreen curtain, etc Q : 8 U : 0 W : 0 X : 0	m	8
49	Extra for end plugged Q : 4 U : 0 W : 0 X : 0	No	4
50	Extra for 45° bend Q : 4 U : 0 W : 0 X : 0	No	4

BATHROOM FITTINGS

51	0,8mm Thick satin finished stainless steel paper towel dispenser, size 275 x 112 x 355mm high with a capacity of 500-800 towels, inspection windows on the side and standard key, plugged and screwed to the wall with stainless steel screws. (SAN006/006A) Q : 21 U : 10 W : 5 X : 0	No	36
----	--	----	----

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

52	0,8mm Thick satin finished stainless steel waste bin, size 355 x 168 x 460mm high with capacity of 23 litres and cylinder lock and standard key, plugged and screwed to the wall with stainless steel screws. (SAN007)	No	36
	Q : 21 U : 10 W : 5 X : 0		
53	1.5mm thick Grade 304 18/10 satin finished stainless steel touch free soap dispenser, size 120 x 296 x 107mm deep. Installed strictly to manufacturers specifications (G4-Block Q)	No	31
	Q : 18 U : 9 W : 4 X : 0		
54	0,8mm Thick satin finished stainless steel double toilet roll holder with spindle system, size 144 x 138 x 301mm high for 2 rolls maximum 120mm diameter with cylinder lock with standard key, plugged and screwed to the wall with stainless steel screws. (SAN018/018A)	No	11
	Q : 8 U : 2 W : 1 X : 0		
55	800mm Long x 150mm projecting straight standard stainless steel disabled rail. Installed strictly to manufacturers specifications. (SAN019, SAN042/042A)	No	6
	Q : 5 U : 1 W : 0 X : 0		
56	300 x 300 x 300 x 80mm Projecting standard stainless steel dog leg side rail. Installed strictly to manufacturers specifications. (SAN021/021A/021B/021C, SAN023/023A)	No	6
	Q : 5 U : 1 W : 0 X : 0		
57	Standard 1,2mm stainless steel recessed type toilet roll holder, size 155mm diameter x 260mm deep, unit recessed into wall and bolted with 2No. M10 threaded bolts. Installed strictly to manufacturers specifications (G2- Block Q)	No	24
	Q : 16 U : 0 W : 2 X : 6		
<u>HOOKS</u>			
58	Back plate to be 900 x 450mm high non magnetic 1.6mm stainless steel plate with grid 180 satin finish, glued and screwed (with wall plugs) to a wall surface, with an approved adhesive and six countersunk stainless steel screws, complete with standard stainless steel wall rail - 900mm long with five broom hooks (HK005)	No	5
	Q : 2 U : 1 W : 2 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

59	<p>Purpose made towel hook consisting of cranium or equal collapsible towel hooks allowing to hold clothing or towel but collapse under the weight of a body for an anti-suicide design, installed strictly according to manufacturer's specification. Recommended installation height to be at 1800mm above FFL.</p> <p>Q : 1 U : 0 W : 2 X : 2</p>	No	5	
<u>WRITING BOARDS</u>				
<u>White boards</u>				
60	<p>White writing board 1500 x 1000mm high installed strictly to manufacturer's specifications. (BOA004)</p> <p>Q : 15 U : 0 W : 0 X : 0</p>	No	15	
<u>PINNING BOARDS</u>				
<u>Pin boards with carpet to pinning board</u>				
61	<p>Standard 1000mm x 1000mm pin board all installed strictly to manufacturer's specifications, plugged. (BOA010)</p> <p>Q : 25 U : 0 W : 0 X : 0</p>	No	25	
<u>STEEL LOCKERS</u>				
62	<p>Two tier locker, overall size 300 x 450 x 1900mm high (1800mm locker and 100mm plinth), comprising 8mm compact high pressure laminate white carcasses with 12mm White compact high pressure laminate doors including auto return hinges and D shaped keeps for padlocks (no locking mechanism included), lock cover plate and handles. (H3-Block Q)</p> <p>Q : 28 U : 6 W : 3 X : 0</p>	No	37	
<u>SIGNAGE</u>				
<u>VISTA SIGNAGE SYSTEM OR EQUALLY APPROVED (TEL. NO. 011-614 3933) (See Drawing Q010-004, U010-003, W010-002 attached to the back of these bills of quantities)</u>				
<u>Note: Chromadek-, ABS - and Photo luminescent insert needs to be secured with silicone in Vista frame to ensure safety of patients. Signs needs to be mounted with screws on wall</u>				
63	<p>Double sided illuminated Vista Pylon VL800x1800mm with Perspex and LED's (SIL-EX1)</p> <p>Q : 2 U : 1 W : 1 X : 0</p>	No	4	
Carried to Collection				
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 10 Ironmongery				

R

64	Wall mounted Vista Directory VBS500x998mm with Metal End Caps & Chromadek Insert (SIL-IN1) Q : 1 U : 0 W : 0 X : 0	No	1
65	Wall mounted Vista Frame V60x150mm with Metal End Caps - No clear cover, Graphic insert will be vinyl application to abs backing (SIL-IN2) Q : 65 U : 18 W : 8 X : 0	No	91
66	Wall mounted Vista Frame V100x500mm with Metal End Caps - No clear cover, Graphic insert will be vinyl application to abs backing (SIL-IN3) Q : 45 U : 11 W : 14 X : 0	No	70
67	Wall mounted Vista Frame V200x300mm (Portrait) with Metal End Caps - No clear cover, Graphic insert will be vinyl application to abs backing (SIL-IN4) Q : 5 U : 0 W : 1 X : 0	No	6
68	Wall mounted Vista Frame V200x380mm (Portrait) with Metal End Caps - No clear cover, Graphic insert will be a photo luminescent insert (SIL-F2) Q : 13 U : 7 W : 1 X : 0	No	21
69	Wall mounted Vista Frame V200x570mm (Portrait) with Metal End Caps - No clear cover, Graphic insert will be a photo luminescent insert (SIL-F3) Q : 6 U : 6 W : 2 X : 0	No	14
70	Wall mounted Vista Frame V200x760mm (Portrait) with Metal End Caps - No clear cover, Graphic insert will be a photo luminescent insert (SIL-F4) Q : 9 U : 1 W : 0 X : 0	No	10
<u>FIRE SIGNAGE (See attached schedule at the back of these bills of quantities)</u>			
<u>All signs to be 190 x 190 photo - luminescent, with white back ground</u>			
71	"E1/E2" Double sided Q : 10 U : 1 W : 0 X : 2	No	13
72	"E3" Single side Q : 17 U : 3 W : 8 X : 0	No	28
73	"E99" Single side Q : 3 U : 2 W : 0 X : 0	No	5
74	"F4" Single side Q : 6 U : 2 W : 1 X : 1	No	10
75	"F5/F6" Double sided Q : 6 U : 1 W : 1 X : 0	No	8

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

76	"F13" Single side Q : 0 U : 4 W : 0 X : 0	No	4
77	"F16" Single side Q : 0 U : 1 W : 0 X : 0	No	1
78	"F19" Single side Q : 0 U : 1 W : 0 X : 0	No	1
79	"F60" Single side Q : 1 U : 0 W : 0 X : 0	No	1
80	"E101" Single Side Q : 4 U : 1 W : 2 X : 2	No	9
81	"Fire Escape Route" Double Sided Q : 12 U : 2 W : 8 X : 9	No	31
82	"EXIT" Illuminated sign Q : 3 U : 2 W : 0 X : 0	No	5

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

SUMMARY

Total Brought Forward from Page No.

**Page
No** **Amount**

111
112
113
114
115
116
117
118
119

Carried Forward to Summary of Section No. 2

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 10
Ironmongery

STEEL TRUSSES**Welded columns and beams in single lengths with flat section base, top, bearer and connection plates bolted to concrete or brickwork**

2	Tubular sections, flat sections, etc. in tie beams, rafters, struts, bracing, etc. of roof trusses	t	1.48
	Q : 1.31 U : 0.17 W : 0.00 X : 0.00		
3	Angle sections, flat sections, etc. in tie beams, rafters, struts, bracing, etc. of roof trusses	t	17.77
	Q : 17.09 U : 0.34 W : 0.34 X : 0.00		
4	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	0.09
	Q : 0.06 U : 0.03 W : 0.00 X : 0.00		

PURLINS, BRACING, ETC**Purlins, bracing, etc. welded to steel**

5	Cold formed lipped channel in purlins, etc.	t	6.34
	Q : 5.60 U : 0.31 W : 0.43 X : 0.00		
6	Tubular sections, flat sections, etc. in tie beams, rafters, struts, bracing, etc. of roof trusses	t	0.69
	Q : 0.00 U : 0.09 W : 0.60 X : 0.00		
7	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	0.63
	Q : 0.56 U : 0.03 W : 0.04 X : 0.00		

Chemical bolts

8	M16 Chemical anchor bolts	No	144
	Q : 136 U : 8 W : 0 X : 0		

STEEL FENCING SUPPORT**Welded angles in single lengths with flat section base, top, bearer and connection plates bolted to concrete or brickwork or steel roof structure**

9	Angle sections, flat sections, etc. in tie beams, rafters, struts, bracing, etc.	t	3.39
	Q : 2.17 U : 0.00 W : 1.22 X : 0.00		
10	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	1.00
	Q : 0.64 U : 0.00 W : 0.36 X : 0.00		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 11
Structural Steelwork

R

GUTTERS

Welded steel

11	2,5 mm Thick welded steel rainwater gutter 900mm girth, welded to form slope at bottom, four times bent and fixed to purlins, including painting inside with epoxy tar, welding complete.	m	20
	Q : 20 U : 0 W : 0 X : 0		
12	Extra over for stop end	No	4
	Q : 4 U : 0 W : 0 X : 0		
13	Extra for 100 x 75mm outlet	No	2
	Q : 2 U : 0 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 11
Structural Steelwork

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 11
Structural Steelwork

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
---------	--------

121	
-----	--

122	
-----	--

123	
-----	--

Carried Forward to Summary of Section No. 2

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 11
Structural Steelwork

R

WELDED SCREENS, GATES, BURGLAR BARS ETC

SL 84C Series Colour-Tech G4 pre-coated 84mm wide x 0,6mm gauge aluminium sun louvre blades in colour Barley White clipped onto 0,9mm gauge aluminium S4 stringers with 86mm tongue spacings, fastened to custom designed aluminium sub-structure at 1000mm centres, fastened to adjustable brackets bolted to face of building. The whole to be designed and installed by an approved specialist, all in accordance with the manufacturer's recommendations. (H85) (See Drawing A-042-005 attached to the back of these bills of quantities)

1	Panel frame 5712 x 1300mm high overall	No	6	
	Q : 6 U : 0 W : 0 X : 0			

SECURITY GATE**Mild steel screens and gates to brickwork**

2	Single security gate 750 x 2000mm high overall frame formed of 30 x 30 x 3mm hollow sections, with infill panel frame consisting of 30 x 30 x 3mm hollow sections split in two sections approximately 700 x 800mm high and 700 x 1000mm high respectively, filled in with security fencing infill panel welded to infill panel security gate fitted with one and a half pair heavy duty hinges and fixed to wall with and including M10 epoxy grouted bolts both sides (lock elsewhere measured) (Mental Health: D28, D68, D77)	No	3	
	Q : 3 U : 0 W : 0 X : 0			

3	Single security gate 877 x 2000mm high overall frame formed of 30 x 30 x 3mm hollow sections, with infill panel frame consisting of 30 x 30 x 3mm hollow sections split in two sections approximately 800 x 800mm high and 800 x 1000mm high respectively, filled in with security fencing infill panel welded to infill panel security gate fitted with one and a half pair heavy duty hinges and fixed to wall with and including M10 epoxy grouted bolts both sides (lock elsewhere measured) (Mental Health: D03, D12, D23, D83. Temporary Mental Health: G01)	No	6	
	Q : 4 U : 0 W : 1 X : 1			

Carried to Collection**R**

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 12
Metalwork

4	Double security gate 1650 x 2000mm high overall frame formed of 30 x 30 x 3mm hollow sections, with infill panel frame consisting of 30 x 30 x 3mm hollow sections split in two sections approximately 800 x 800mm high and 800 x 1000mm high respectively, filled in with security fencing infill panel welded to infill panel security gate fitted with one and a half pair heavy duty hinges and fixed to wall with and including M10 epoxy grouted bolts both sides (lock elsewhere measured) (Mental Health: D10, D18) Q : 2 U : 0 W : 0 X : 0	No	2	
<u>PRESSED STEEL GALVANIZED DOOR FRAMES</u>				
<u>1.6mm Standard Pressed Mild Steel rebate frames suitable for half brick walls and fitted with three hinges per door leaf</u>				
5	Frame for door 686 x 1870mm high Q : 3 U : 0 W : 0 X : 0	No	3	
6	Frame for door 813 x 2032mm high Q : 8 U : 1 W : 9 X : 4	No	22	
7	Frame for door 813 x 2032mm high including fixed fanlight 300mm high with standard pressed steel glazing beads on one side of fanlight Q : 0 U : 0 W : 1 X : 0	No	1	
8	Frame for door 1020 x 2032mm high Q : 2 U : 0 W : 0 X : 0	No	2	
<u>1.6mm Standard Pressed Mild Steel rebate frames suitable for one brick walls and fitted with three hinges per door leaf</u>				
9	Frame for door 813 x 2032mm high Q : 23 U : 10 W : 5 X : 5	No	43	
10	Frame for door 813 x 2032mm high including fixed fanlight 300mm high with standard pressed steel glazing beads on one side of fanlight Q : 0 U : 3 W : 0 X : 0	No	3	
11	Frame for door 1020 x 2032mm high Q : 22 U : 0 W : 0 X : 0	No	22	
12	Frame for double door 1226 x 2032mm high Q : 2 U : 0 W : 0 X : 0	No	2	
13	Frame for double door 1511 x 1870mm high Q : 1 U : 0 W : 0 X : 0	No	1	
Carried to Collection				
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 12 Metalwork				

R

14	Frame for double door 1588 x 2032mm high Q : 6 U : 3 W : 0 X : 2	No	11
15	Frame for double door 1588 x 2032mm high including fixed fanlight 300mm high with standard pressed steel glazing beads on one side of fanlight Q : 0 U : 2 W : 1 X : 0	No	3
<u>Sundries</u>			
16	Take steel frame and cold room door from store, size approximately 1760 x 2200 high and install in new opening Q : 0 U : 1 W : 0 X : 0	No	1
<u>STEEL DOORS</u>			
<u>"Transformer Room" door type composed of louvred unit vent panels with vermin proofing to Manufacturer's Specifications;</u>			
17	Steel single transformer door as type MV, size 1525 x 2135mm high, to suit wall 230mm thick. Complete installation as per manufacturer (Mortuary: D15) Q : 0 U : 1 W : 0 X : 0	No	1
<u>Mutual Austen Safes DS1 right hand record room with 7-lever security keylock and 3-wheel combination lock, overall size 760 x 1883 high finished in rustproof undercoat for final painting by contractors.</u>			
18	Door size 760 x 1883mm high (Mental Health: D04) Q : 1 U : 0 W : 0 X : 0	No	1
<u>STEEL WINDOWS</u>			
<u>Standard steel windows with 12mm horizontal mild steel rods welded to frame at 100mm c/c.</u>			
19	Window type NC2, size 1022 x 949mm high (Temporary Mental Health: W01) Q : 0 U : 0 W : 1 X : 0	No	1
20	Window type NC2F, size 1022 x 949mm high (Mortuary: W01) Q : 0 U : 1 W : 0 X : 0	No	1
21	Window type ND2, size 1022 x 1245mm high (Mortuary: W02, W03, W04. Temporary Mental Health: W02, W04) Q : 0 U : 3 W : 2 X : 0	No	5
Carried to Collection			
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 12 Metalwork			

R

22	Window type ND4, size 1511 x 1250mm high (Temporary Mental Health: W03) Q : 0 U : 0 W : 1 X : 0 <u>NOTE:</u> The following items shall be deemed to fall into Work Group No 140 for JBCC CPAP purposes <u>ALUMINIUM LOUVRED VENT GRILLS</u> <u>Standard colour purpose made polyester powder coated (50 - 100u) louvre vent grills and frames to doors</u>	No	1
23	Ventilation grill fitted to doors size 350 x 350mm high overall Q : 5 U : 4 W : 0 X : 0	No	9
24	Ventilation grill fitted to doors size 450 x 450mm high overall Q : 0 U : 5 W : 0 X : 0 <u>ALUMINIUM DOORS, WINDOWS, ETC</u> <u>NOTE:</u> All aluminium doors, windows, shopfronts, view panels, etc to comply with AAAMSA standards and specifications and to Architect's approval Prices must include for the perimeters of frames to be sealed to the structure with approved sealant <u>ALUMINIUM DOORS</u> <u>Standard colour purpose made polyester powder coated aluminium shopfronts and frames glazed with 6mm clear normal strength laminated safety glass, hinges, sealant, etc. plugged to brickwork or concrete (Ironmongery measured elsewhere) all in accordance with drawings and specifications annexed to the back of these Bills of Quantities</u>	No	5
25	Single door size 900 x 2100mm high (Mortuary: D03) Q : 0 U : 1 W : 0 X : 0	No	1
26	Single door size 1000 x 2100mm high (Temporary Mental Health: D04) Q : 0 U : 0 W : 1 X : 0	No	1
27	Single door size 1000 x 2100mm high overall (Mental Health: D39, D61) Q : 2 U : 0 W : 0 X : 0	No	2
Carried to Collection			
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 12 Metalwork			

R

28	Single door size 1000 x 2100mm high with one sidelights size 1300 x 1250mm high overall (Mental Health: D27) Q : 1 U : 0 W : 0 X : 0	No	1	
29	Single door size 1000 x 2100mm high with two sidelights size 2200 x 1000mm high on both sides of door overall (Mental Health: D58) Q : 1 U : 0 W : 0 X : 0	No	1	
30	Sidelights for door above (D58) section size 1000 x 1000mm high overall (Mental Health: D58) Q : 3 U : 0 W : 0 X : 0	No	3	
31	Sidelights for door above (D58) section size 2800 x 1000mm high overall (Mental Health: D58) Q : 1 U : 0 W : 0 X : 0	No	1	
32	Sidelights for door above (D58) section size 5500 x 1000mm high overall (Mental Health: D58) Q : 1 U : 0 W : 0 X : 0	No	1	
33	Double door size 1650 x 2100mm high (Mental Health: D41, D50, D51, D59, D71, D76. Mortuary: D18. Temporary Mental Health: D01) Q : 8 U : 1 W : 0 X : 1	No	10	
34	Double door size 1650 x 2100mm high with one sidelights size 1150 x 1875mm high overall (Mental Health: D25) Q : 1 U : 0 W : 0 X : 0	No	1	
35	Double door size 1650 x 2100mm high with two sidelights size 575 x 1875mm high on both sides of door overall (Mental Health: D13) Q : 1 U : 0 W : 0 X : 0	No	1	
36	Double door size 1650 x 2100mm high with two sidelights size 600 x 1875mm high and 2950 x 1875mm high on both sides of door overall (Mental Health: D16) Q : 1 U : 0 W : 0 X : 0	No	1	
37	Double door size 1650 x 2100mm with two sidelights size 1100 x 1875mm high and 3000 x 1875mm high on both sides of door overall (Mental Health: D02) Q : 1 U : 0 W : 0 X : 0	No	1	
38	Double door size 1777 x 2100mm high (Mortuary: D01) Q : 0 U : 1 W : 0 X : 0	No	1	
39	Double door size 1870 x 2100mm high (Temporary Mental Health: D12) Q : 0 U : 0 W : 1 X : 0	No	1	
Carried to Collection				R
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 12 Metalwork				

ALUMINIUM WINDOWS

Standard colour polyester powder coated aluminium windows with 6mm clear safety glass for all panels.
All windows with and including standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications and drawings and specifications annexed to the back of these Bills of Quantities (projecting out type)

40	Purpose made Aluminium window, size 600 x 600mm high (Mental Health: W10)	No	1
	Q : 1 U : 0 W : 0 X : 0		
41	Purpose made Aluminium window, size 900 x 900mm high (Mental Health: W36)	No	1
	Q : 1 U : 0 W : 0 X : 0		
42	Purpose made Aluminium window, size 1500 x 900mm high (Mental Health: W37)	No	1
	Q : 1 U : 0 W : 0 X : 0		
43	Purpose made Aluminium window, size 2533 x 900mm high (Mental Health: W77)	No	1
	Q : 1 U : 0 W : 0 X : 0		
44	Purpose made Aluminium window, size 2733 x 900mm high (Mental Health: W76)	No	1
	Q : 1 U : 0 W : 0 X : 0		
45	Purpose made Aluminium window, size 2400 x 1250mm high (Mental Health: W40)	No	1
	Q : 1 U : 0 W : 0 X : 0		
46	Purpose made Aluminium window, size 2445 x 1250mm high (Mental Health: W39, W46, W74, W75)	No	4
	Q : 4 U : 0 W : 0 X : 0		
47	Purpose made Aluminium window, size 2575 x 1250mm high (Mental Health: W41)	No	1
	Q : 1 U : 0 W : 0 X : 0		
48	Purpose made Aluminium window, size 2527 x 1250mm high (Mental Health: W78, W79, W80)	No	3
	Q : 3 U : 0 W : 0 X : 0		
49	Purpose made Aluminium window, size 2733 x 1250mm high (Mental Health: W01)	No	1
	Q : 1 U : 0 W : 0 X : 0		
50	Purpose made Aluminium window, size 2765 x 1250mm high (Mental Health: W02)	No	1
	Q : 1 U : 0 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 12
Metalwork

51	Purpose made Aluminium window, size 2800 x 1250mm high (Mental Health: W38) Q : 1 U : 0 W : 0 X : 0 <u>Standard colour polyester powder coated aluminium windows with 6mm clear safety glass for all panels. All windows with and including standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications. Stainless Steel Mesh to be H Systems Type 316 Stainless Steel Mesh, 0,8mm Wire Diameter, 0.65x1.3mm All sliding panels to have screw fixing, anti-rattle adaptors, anti-lifts, fixed and adjustable rollers, manual 16mm back set hook lock assembly with keyed oval cylinder. (sliding window type)</u>	No	1	
52	Purpose made Aluminium window, size 900 x 600mm high (Mental Health: W23, W25, W26, W30, W43, W44) Q : 6 U : 0 W : 0 X : 0	No	6	
53	Purpose made Aluminium window, size 1200 x 600mm high (Mental Health: W46, W63) Q : 2 U : 0 W : 0 X : 0	No	2	
54	Purpose made Aluminium window, size 900 x 900mm high (Mental Health: W16, W22, W35. Temporary Mental Health: W07, W08, W15) Q : 3 U : 0 W : 3 X : 0	No	6	
55	Purpose made Aluminium window, size 2400 x 600mm high (Mental Health: W15) Q : 1 U : 0 W : 0 X : 0	No	1	
56	Purpose made Aluminium window, size 1500 x 900mm high (Mental Health: W24, W34) Q : 2 U : 0 W : 0 X : 0	No	2	
57	Purpose made Aluminium window, size 2536 x 900mm high (Mental Health: W32) Q : 1 U : 0 W : 0 X : 0	No	1	
58	Purpose made Aluminium window, size 1200 x 1250mm high (Temporary Mental Health: W06) Q : 0 U : 0 W : 1 X : 0	No	1	
59	Purpose made Aluminium window, size 1349 x 1250mm high (Temporary Mental Health: W09, W10) Q : 0 U : 0 W : 2 X : 0	No	2	
60	Purpose made Aluminium window, size 2300 x 1250mm high (Mental Health: W04, W05, W17, W18, W21, W31) Q : 6 U : 0 W : 0 X : 0	No	6	
Carried to Collection				R
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 12 Metalwork				

61	Purpose made Aluminium window, size 2400 x 1250mm high (Mental Health: W27, W28. Temporary Mental Health: W05, W12, W13, W14) Q : 2 U : 0 W : 4 X : 0	No	6		
62	Purpose made Aluminium window, size 2438 x 1250mm high (Mental Health: W13) Q : 1 U : 0 W : 0 X : 0	No	1		
63	Purpose made Aluminium window, size 2445 x 1250mm high (Mental Health: W14, W72, W73) Q : 3 U : 0 W : 0 X : 0	No	3		
64	Purpose made Aluminium window, size 2452 x 1250mm high (Mental Health: W06, W07, W11, W12) Q : 4 U : 0 W : 0 X : 0	No	4		
65	Purpose made Aluminium window, size 2536 x 1250mm high (Mental Health: W20) Q : 1 U : 0 W : 0 X : 0	No	1		
66	Purpose made Aluminium window, size 2700 x 600mm high (Temporary Mental Health: W11) Q : 0 U : 0 W : 1 X : 0	No	1		
67	Purpose made Aluminium window, size 2700 x 1250mm high (Mental Health: W29) Q : 1 U : 0 W : 0 X : 0	No	1		
68	Purpose made Aluminium window, size 2762 x 1250mm high (Mental Health: W08, W09) Q : 2 U : 0 W : 0 X : 0	No	2		
69	Purpose made Aluminium window, size 4000 x 1250mm high (Mental Health: W19, W33) Q : 2 U : 0 W : 0 X : 0	No	2		
70	Purpose made Aluminium window, size 4800 x 1250mm high (Mental Health: W03) Q : 1 U : 0 W : 0 X : 0	No	1		
<u>Standard colour polyester powder coated aluminium windows with 6mm clear safety glass for all panels. All windows with and including standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications. (window including louvre type)</u>					
71	Purpose made Aluminium window, size 900 x 1200mm high including aluminium ventilation louvre panel size 900 x 415mm high (Mental Health: W47, W53, W54) Q : 3 U : 0 W : 0 X : 0	No	3		
Carried to Collection				R	
Section No. 2					
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)					
Bill No. 12					
Metalwork					

72	Purpose made Aluminium window, size 1000 x 1200mm high including aluminium ventilation louvre panel size 1000 x 415mm high (Mental Health: W48, W49, W52, W59, W60, W61) Q : 6 U : 0 W : 0 X : 0	No	6		
73	Purpose made Aluminium window, size 1200 x 1200mm high including aluminium ventilation louvre panel size 1200 x 415mm high (Mental Health: W50, W51, W55, W56, W57, W58, W81, W82) Q : 8 U : 0 W : 0 X : 0 <u>Standard colour polyester powder coated aluminium windows with 6mm clear safety glass for all panels. All windows with and including standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications. (fixed window type)</u>	No	8		
74	Purpose made Aluminium window, size 1800 x 900mm high (Mental Health: W68, W69) Q : 2 U : 0 W : 0 X : 0	No	2		
75	Purpose made Aluminium window, size 2100 x 900mm high (Mental Health: W70, 7W1) Q : 2 U : 0 W : 0 X : 0	No	2		
76	Purpose made Aluminium window, size 1271 x 1105mm high (Mental Health: W66) Q : 1 U : 0 W : 0 X : 0	No	1		
77	Purpose made Aluminium window, size 1377 x 1105mm high (Mental Health: W62, W67) Q : 3 U : 0 W : 0 X : 0	No	3		
78	Purpose made Aluminium window, size 2350 x 1105mm high (Mental Health: W85) Q : 1 U : 0 W : 0 X : 0 <u>Standard colour polyester powder coated aluminium windows with 6mm clear safety glass for all panels. All windows with and including standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications</u>	No	1		
79	Purpose made Aluminium window, size 1500 x 1250mm high (Mortuary: W05) Q : 0 U : 1 W : 0 X : 0	No	1		
Carried to Collection					R
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 12 Metalwork					

SHOWER DOORS

Powder coated aluminium corner glazed shower cubicle panel and door complete with magnetic door catch, handles, handle edge rail, receiving wall rail, hinges, etc and toughened safety glass, complying with SANS 1263 Part 1, 2 or 3 with name of manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137:2002. Plugged to tiled walls including pointing all round both sides of frame

80	Purpose made 900 x 1830 Shower cubicle doors to be saloon swing doors manufactured using 5mm Cast Acrylic Perspex (colour: Frosted White) fixed between walls using aluminium extrusion. (Mental Health: D29, D30, D63, D64. Temporary Mental Health: D08, D09)	No	6
	Q : 4 U : 0 W : 2 X : 0		
81	Purpose made hinged glazed shower door size 966 x 1800mm high (Mortuary: D16)	No	1
	Q : 0 U : 1 W : 0 X : 0		
82	Purpose made hinged glazed shower door size 1225 x 1800mm high (Mortuary: D17)	No	1
	Q : 0 U : 1 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 12
Metalwork

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 12

Metalwork

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

125
126
127
128
129
130
131
132
133
134
135

Carried Forward to Summary of Section No. 2

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 12
Metalwork

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>EXISTING HOSPITAL (PROVISIONAL)</u>			
	<u>BILL NO 13</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 142 for JBCC CPAP purposes			
	<hr/>			
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete (A108)</u>			
1	32mm Thick on floors Q : 127 U : 4 W : 32 X : 0	m2	163	
2	100mm High coved skirting Q : 96 U : 0 W : 0 X : 0	m	96	
	<u>SCREEDS</u>			
	<u>1:3 Cement plaster screeds on concrete</u>			
3	30mm Thick on floors Q : 1333 U : 337 W : 225 X : 121	m2	2 016	
	Carried to Collection			
	Section No. 2			
	SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)			
	Bill No. 13			
	Plastering			
			R	

SPECIALIST FLOOR COVERINGS

5mm Thick self-levelling screeds (approved and installed by flooring sub-contractor) on concrete surface beds to obtain a level surface and providing a quality base. Sub surface to be primed and dry (moisture test to be done) to ensure a quality and sound application, all applied in strict accordance with the manufacturer's specifications.

4	On floors	m2	1 913
	Q : 1333 U : 234 W : 225 X : 121		

Polyurethane concrete flooring system to be supplied and laid on a substrate, minimum of 25N/mm², free from laitance, dust, and other contamination. The substrate should be dry to 75% RH as per BS 8204 or < 5% moisture content and free from rising damp and ground water pressure. All in accordance with manufacturers detailed instructions. Prime with Solvent Free Epoxy Primer. Apply two coats of polyurethane concrete flooring system by roller to achieve an overall thickness of approximately 500 microns (A3-Block U)

5	On floors	m2	74
	Q : 0 U : 74 W : 0 X : 0		

6	200mm High coved skirting	m	46
	Q : 0 U : 46 W : 0 X : 0		

INTERNAL PLASTER

One coat 1:6 cement plaster to brickwork with steel trowel (C1)

7	On existing walls	m2	719
	Q : 338 U : 238 W : 86 X : 57		

8	On walls	m2	2 642
	Q : 2264 U : 133 W : 227 X : 18		

9	On narrow widths	m2	149
	Q : 123 U : 6 W : 20 X : 0		

One coat 1:6 cement plaster on brickwork with wood float to receive wall tiling (C1)

10	On walls	m2	160
	Q : 15 U : 143 W : 2 X : 0		

11	On narrow widths	m2	5
	Q : 0 U : 5 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 13
Plastering

R

Sundries

12	1mm Diameter hexagonal wire mesh pinned to brickwork or concrete work to receive plaster (elsewhere measured)	m2	287
	Q : 0 U : 144 W : 86 X : 57		

EXTERNAL PLASTER

One coat 1:6 cement plaster on brickwork (H38)

13	On walls	m2	720
	Q : 424 U : 136 W : 160 X : 0		

DIVIDING STRIPS, NOSING STRIPS ETC.

25mm x 3mm Brass dividing strip cast into screed (flush with floor finish)

14	On floors	m	54
	Q : 27 U : 12 W : 9 X : 6		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 13
Plastering

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 13
Plastering

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
------------	--------

137	
-----	--

138	
-----	--

139	
-----	--

Carried Forward to Summary of Section No. 2

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 13
Plastering

R

Item No	Quantity	Rate	Amount
<u>SECTION 2</u>			
<u>EXISTING HOSPITAL (PROVISIONAL)</u>			
<u>BILL NO 14</u>			
<u>TILING</u>			
<u>PREAMBLES</u>			
<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
<u>TRADE NAMES</u>			
Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
<u>DETAIL DESCRIPTION AND SPECIFICATION</u>			
<u>Note:</u> It is the responsibility of the specialist tiler to study the drawings and design and to allow for the design and execution of special fixing accessories, expansion joints, etc			
<u>GENERAL PREAMBLES</u>			
Samples - With reference to all items and colour schemes: Samples off all items is to be presented for approval prior to any bulk orders. Please take note that most items will have at least six week delivery period, these approvals will only take place at dates off site meetings, the samples need to be approved well in advance to avoid any delays with lead time on orders. All samples must remain in the sample room for the duration of the contract.			
Mock up rooms – all wall and floor finishes must be prepared in advance as part of a mock up room/rooms and at least a 100 square meter of vinyl flooring will serve as a sample floor			
<u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 144 for JBCC CPAP purposes</i>			
<hr/>			
Carried to Collection			R
Section No. 2			
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)			
Bill No. 14			
Tiling			

WALL TILING

Provide the PC amount of R200.00/m² supplied and delivered to site for 200 x 200mm porcelain wall tiles with 2mm joints fixed to walls with approved tile adhesive to plastered walls and waterproof tile grouting to joints

1	On walls	m2	138
	Q : 0 U : 138 W : 0 X : 0		
2	On walls in splashbacks	m2	23
	Q : 15 U : 6 W : 2 X : 0		
3	On narrow widths	m2	5
	Q : 0 U : 5 W : 0 X : 0		

SUNDRIES

4	External aluminium straight edge as by KIRK Marketing (Code: 686) or similar approved	m	18
	Q : 0 U : 18 W : 0 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 14
Tiling

R

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 14

Tiling

SUMMARY

Total Brought Forward from Page No.

Page
No

141

142

Amount

Carried Forward to Summary of Section No. 2

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 14

Tiling

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>EXISTING HOSPITAL (PROVISIONAL)</u></p> <p><u>BILL NO 15</u></p> <p><u>INTERNAL PLUMBING AND DRAINAGE</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Concrete pipes</u></p> <p>Pipes shall be jointed with interlocking joints</p> <p><u>UPVC pipes and fittings</u></p> <p>Soil, waste and vent pipes and fittings shall be tempered, chemical resistant pipes with butt welded joints</p> <p><u>UPVC pressure pipes and fittings</u></p> <p>Pipes for water and fire supply shall be High Impact uPVC of the Class stated</p> <p>Pipes shall have cast iron clamped joints. Fittings shall be galvanised mild steel with clamped joints</p> <p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers, Capillary solder fittings shall comply with ISO 2016.</p>			
	Carried to Collection		R	
	<p>Section No. 2</p> <p>SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)</p> <p>Bill No. 15</p> <p>Internal Plumbing & Drainage</p>			

Fixing of pipes

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level

Lead pipes and fittings

All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Wire gratings

Descriptions of gutter outlets, etc shall be deemed to include wire balloon gratings

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "Hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions and the Engineer's drawings.

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

R

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:

- SABS 1200 L: Medium-pressure pipelines
- SABS 1200LD: Sewers
- SABS1200LE: Stormwater drainage

Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches)

Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)

Flush pans

Flush pans shall have straight or side outlets and "P" or "S" traps as necessary

Stainless steel basins, sinks, wash troughs, urinals, etc

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Waste unions

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings

Steel sectional water tanks

Tanks shall comply with SABS CKS 114

Petrolatum anti-corrosion tape

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

Prices for wrapping of pipes shall include for all work as described to couplings in the length

Paper lagging

Prices for piping must include for all piping not exceeding 30mm to be wrapped with two layers of stout brown paper and tied with wire prior to building in

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

R

NOTE: IT IS A STRICT CONDITION OF THIS PLUMBING CONTRACT THAT THE CONTRACTOR SHOULD CONDUCT QUALITY CONTROL TESTS AND INSPECTIONS ON AN ONGOING BASIS

NOTE: The following items shall be deemed to fall into Work Group No 148 for JBCC CPAP purposes

SANITARY FITTINGS

NOTE: All sanitary fittings shall be sealed next to walls, fitting sides and shelves with an approved type non-fungal sustaining white silicon

Approved

1	Atlas Plastics rotomoulded polyethylene 65 litre wash trough with galvanised brackets - 371 colour Granite (Code:371AP), overall size 600 x 490mm wide with 40mm waste outlet, plugged and screwed to the wall with galv. screws and fixing brackets	No	2
	Q : 2 U : 0 W : 0 X : 0		
	<u>1,2mm Stainless steel type 304 (18/10)</u>		
2	Franke stainless steel HDSSB heavy duty surround basin (Code:2520009), size 390 x 322 x 490mm high with a one piece pressed bowl size 390 x 320 x 250mm deep, 150mm high splashback, 50mm stainless steel outlet pipe, fixed to wall with 4No. 8mm diameter x 250mm long galvanised mild steel threaded rods.	No	6
	Q : 2 U : 3 W : 1 X : 0		
3	Franke Projectline Model PLN611 Grade 304 18/10 polished stainless steel single end bowl inset sink (Code: 1990030), overall size 800 x 460mm with one 340 x 370 x 140mm deep bowl, fitted onto cupboard (elsewhere specified)	No	4
	Q : 3 U : 0 W : 1 X : 0		
4	Franke Projectline Model PLN621 Grade 304 18/10 polished stainless steel double end bowl inset sink (Code: 1990031), overall size 1200 x 460mm with two 340 x 370 x 140mm deep bowls, fitted onto cupboard (elsewhere specified)	No	5
	Q : 4 U : 0 W : 1 X : 0		

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

R

5	<p>Franke stainless steel CH slop hopper (Code: 2630035), size 540 x 540 x 415mm, 100mm high integral splashback, 110mm waste outlet connected to trap (elsewhere measured), integral flushing rim fitted with a 38 x 250mm long vertical flush pipe inlet with Cobra FJ 2,00 flush valve connected to 20mm water supply and Cobra FJT 1,2 straight flush pipe connected to chromium plated adaptor, hinged bucket grid fitted over funnel, fixed to wall with 2No. 40 x 40mm square stainless steel gallows brackets bolted with 4No. anchor bolts 600mm from finished floor level.</p> <p>Q : 1 U : 1 W : 0 X : 0</p>	No	2
6	<p>Franke stainless steel DSG drip sink (Code: 2630023), size 535 x 454 x 255mm with pressed drip sink bowl, 100mm high integral splashback, hinged bucket grid fitted over drip sink, connected to 15mm water supply, fixed to wall on 2No. 40 x 20mm stainless steel brackets and bolted to wall with 4No. anchor bolts 600mm from finished floor level</p> <p>Q : 1 U : 1 W : 1 X : 0</p>	No	3
7	<p>Franke stainless steel T table (Code: 2620100), size 1500 x 650 x 1050mm with 50 x 10mm turndown, stainless steel slatted undershelf (Code: 2620044), size 1500 x 420mm wide, underside sprayed with vermin proof bitumastic sound deadening, fixed to wall with anchor bolts 900mm from finished floor level and supported on Grade 304 (18/10) stainless steel square gallows brackets with detachable front leg (Code: 352664), size 40 x 40 x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces.</p> <p>Q : 3 U : 4 W : 1 X : 0</p>	No	8
<u>1,6mm Stainless steel type 304 (18/10)</u>			
8	<p>Franke stainless steel EL bedpan sluice sink (Code: 2630012), size 1130 x 685 x 1050mm with right hand pressed seamless sluice bowl with integral flushing rim, 150mm high integral splashback, 15mm deep hospital bead, 100mm apron, 110mm waste outlet connected to S or P trap (elsewhere specified), unit supplied complete with factory fitted Cobra FM 1,00 flush valve connected to 35mm water supply, 15mm bedpan and bottle spray nozzle activated by 2No 15mm quarter turn elbow action valves, fixed to wall and supported on Grade 304 (18/10) stainless steel square gallows brackets with detachable front leg (Code: 2120035), size 40 x 40 x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces.</p> <p>Q : 1 U : 1 W : 0 X : 0</p>	No	2

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

9	<p>Franke stainless steel EC6 combination bedpan and wash-up sink (Code: 2630001), size 1830 x 685mm with one pressed seamless sluice bowl with integral flushing rim and one 610 x 460 x 230mm deep left hand pressed seamless rinse bowl, 150mm high integral splashback, 15mm deep hospital bead, 100mm apron, 110mm waste outlet connected to S or P trap (elsewhere specified) on sluice bowl, unit supplied complete with factory fitted Cobra FM 1,00 flush valve connected to 35mm water supply, CP171/041 pillar mixer with over-arm swivel spout, CP297 pillar mixer with retractable hand spray, 15mm bedpan and bottle spray nozzle activated by 2No 15mm quarter turn elbow action valves, fixed to wall and supported on Grade 304 (18/10) stainless steel square gallows brackets with detachable front leg (Code: 2120035), size 40 x 40 x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces.</p> <p>Q : 0 U : 0 W : 1 X : 0</p>	No	1
10	<p>Franke stainless steel BR4 bedpan and bottle rack (Code: 2630139) for 4No. pans and 5No. bottles, size 660 x 350 x 505mm with rubber grommets fitted to ends of 8mm diameter bottle rods, removable drip tray with 19mm spigot outlet, fixed to wall with 4No. anchor bolts and flat bar mounting brackets.</p> <p>Q : 1 U : 0 W : 0 X : 0</p>	No	1
<u>White glazed vitreous china</u>			
11	<p>Vaal Sanitaryware Hibiscus vitreous china wall hung basin colour white, overall size 510 x 405mm with two tapholes, including integrated overflow and chainstay hole bolted to wall with 2No.10mm bolts (Code: 8448Z000) and sealed with silicone sealant where basin meets wall.</p> <p>Q : 7 U : 5 W : 2 X : 3</p>	No	17
12	<p>Vaal Hygia ceramic vitreous china hospital basin colour White (code: 703611), size 585 x 435mm with two tapholes, plugged and screwed to walls with two screws including chromium plated caps (code: 8513Z0) and sealed with silicone sealant where basin meets wall.</p> <p>Q : 12 U : 2 W : 2 X : 0</p>	No	16
13	<p>Vaal Daisy White Semi-close coupled washdown suite (Code: 772403WH) comprising 90° outlet open rim pan (Code 751400WH) including lid and fitments with heavy duty seat (Code: 8517Z020)</p> <p>Q : 6 U : 2 W : 1 X : 0</p>	No	9

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

14	Vaal Pearl Paraplegic vitreous china floor mounted paraplegic washdown suite colour White (Code: 7300SC) comprising semi close couple 90° outlet open rim washdown pan and matching 9 litre cistern, including lid, fitments with heavy duty seat and purpose-made chromium plated side flush lever. Q : 1 U : 1 W : 0 X : 0	No	2
15	Vandal Resistant Sanitaryware Gypsy security pan bolted and epoxy grout to wall Q : 6 U : 0 W : 2 X : 3	No	11
16	Vandal Resistant Sanitaryware Gypsy disabled security pan bolted and epoxy grout to wall Q : 4 U : 0 W : 0 X : 0	No	4
17	Vandal Resistant Sanitaryware Gypsy security vanity basin with two tap holes, complete with Wirquin trap as recommended by manufacturers, bolted and epoxy grout to wall Q : 14 U : 0 W : 2 X : 0	No	16
18	Vandal Resistant Sanitaryware Gypsy back entry bowl urinal with, flushing valve (elsewhere), complete with Wirquin trap as recommended by manufacturers, bolted and epoxy grout to wall Q : 2 U : 0 W : 2 X : 0	No	4

WASTE UNIONS, ETC**Chromium plated**

19	32mm Unslotted basin waste union with anti-theft plug Q : 2 U : 3 W : 1 X : 0	No	6
20	32mm Slotted basin waste union with backnut, anti-theft plug, chain and stay Q : 19 U : 7 W : 4 X : 3	No	33
21	40mm Chromium plated unslotted basin waste union and anti-theft plug Q : 29 U : 2 W : 7 X : 0	No	38

TRAPS, ETC**Chromium plated**

22	40mm Deep seal bottle trap with outlet for 50mm PVC Q : 52 U : 12 W : 14 X : 3	No	81
----	--	----	----

Carried to Collection**R**

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

Stainless Steel

23	Round Shower Drain Plus for vinyl sheeting (SD1v) "Polyflor Polydrain ACO" or equal approved shower drain with 50mm side outlet ABS drain body with removable foul air trap and nylon vinyl clamps (Code 405819) including grade 304 stainless steel perforated grating (Code 403234) connected to 50mm waste pipe and bezel extension (Code SDP-TE)	No	2
	Q : 0 U : 2 W : 0 X : 0		
24	Vandal resistant 150mm diameter Stainless steel floor drain with 50mm diameter outlet, complete removable grind, secured with recess tamper proof screws and removable trap as by Coastal Manufacturing code – HB125VNW50.	No	10
	Q : 6 U : 0 W : 2 X : 2		

TAPS, VALVES, ETC**"Cobra Watertech" or other approved**

25	15mm Ball type angle regulating valve stop tap with 350mm flexible hose connection	No	170
	Q : 109 U : 27 W : 25 X : 9		
26	22mm 'Cobra' No. 1090/15 chromiun plated 'Ball-o-flo' ballcock	No	2
	Q : 1 U : 1 W : 0 X : 0		
27	15mm Chromium plated plain bibtap (code: 3309ST)	No	5
	Q : 2 U : 3 W : 0 X : 0		
28	15mm Basin pillar tap (Code: 111-15)	No	30
	Q : 12 U : 8 W : 4 X : 6		
29	Cobra Watertech Stella 15mm chrome plated pillar tap (Code: 3311ST-15) with hot and cold indices, manufactured in accordance with SANS 226:2009 Type 2 (BS 5412).	No	4
	Q : 0 U : 4 W : 0 X : 0		
30	15mm Medical Elbow Action Chrome pillar tap (Code: 503-21B), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	4
	Q : 2 U : 2 W : 0 X : 0		
31	Cobra Watertech Carina 15mm chrome sink mixer (Code: 171/041CA and S-041) with overarm swivel outlet and adjustable flanges, manufactured in accordance with SANS 226:2004 Type 1 (BS 5412),	No	12
	Q : 8 U : 1 W : 3 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

32	15mm Chromium plated wall mounted mixer (code: 515/055-21) with aerated swan neck swivel spout, fixed centre bent inlet connections and elbow action lever Q : 4 U : 3 W : 1 X : 0	No	8		
33	Cobra Watertech Chrome shower set (Code:431) with 2No. underwall stop taps, flanged shower arm and shower rose. Q : 0 U : 2 W : 0 X : 0	No	2		
34	Walcro CIRS-V3-6 vandal resistant shower rose, chrome finish Q : 6 U : 0 W : 2 X : 2	No	10		
35	Cobra Watertech Chrome trigger spray (Code:T/SPRAY-KIT) with extended 2m hose, wall mounted fitting and cradle Q : 0 U : 2 W : 0 X : 0	No	2		
36	Cobra Watertech Chrome Junior Flushmaster exposed flush valve (Code: FJ2-210), installed in accordance with the manufacturer's recommendations. Q : 6 U : 2 W : 1 X : 0	No	9		
37	15mm bedpan and bottled spray nozzle activated by 2No 15mm quarter turn elbow action valves, connected to 15mm water supply. Q : 1 U : 0 W : 1 X : 0	No	2		
38	15mm Chromium plated elbow action wall-type mixer with overarm outlet as "Cobra 515/055-21" Q : 12 U : 2 W : 2 X : 0	No	16		
39	Cobra Watertech Cobratron 15mm chrome plated concealed touch sensor (Code: EL-3012-Wc) with 4"x4" Galvanise Box, Adjustable Galvanise Yolk and Stainless Steel Cover Plate. Complete with vandal resistant button, solenoid and 240V to 9V transformer Q : 8 U : 0 W : 4 X : 3	No	15		
40	Cobra KIM-BASIN Piazzo Electronic Switch "2"x8" galvanise box with galvanise adjustable yolk with 2"x8" stainless steel cover plate. Complete with 2 x piazzo buttons and solenoids and 2 x 240V to 9B transformers KD2.204 thermostatic control valve Q : 14 U : 0 W : 2 X : 0	No	16		
41	Cobra Watertech Institutional bib spout with top bobber for drinking purpose (Code KM9.004PR) Q : 14 U : 0 W : 2 X : 0	No	16		
Carried to Collection				R	
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 15 Internal Plumbing & Drainage					

42	Cobra Watertech 15mm chrome plated concealed WAVE SWITCH sensor (Code: EL-3012-Wcp) with "4"x4" Galvanise Box, Adjustable Galvanise Yolk and Stainless Steel Cover Plate. Complete with Sensor, Solenoid and 240V to 9V Transformer.	No	4
	Q : 4 U : 0 W : 0 X : 0		
43	Cobra Cobratron Piazzo electronic touch control metering valve (KIM-shower) with "4"x4" PVC Box with adjustable galvanise yolk and stainless steel plate, complete with button, solenoid and 240V to 9V transformer.	No	10
	Q : 6 U : 0 W : 2 X : 2		
<u>SANITARY PIPEWORK</u>			
<u>uPVC Soil and wast pipes for use above ground according to SABS 967</u>			
44	50mm Pipe	m	74
	Q : 74 U : 0 W : 0 X : 0		
45	50mm Vent Pipe	m	6
	Q : 6 U : 0 W : 0 X : 0		
46	110mm Pipe	m	79
	Q : 79 U : 0 W : 0 X : 0		
47	110mm Vent Pipe	m	6
	Q : 6 U : 0 W : 0 X : 0		
<u>Extra over uPVC pipes for fittings:</u>			
48	50mm Bend	No	175
	Q : 175 U : 0 W : 0 X : 0		
49	50mm Access bend	No	18
	Q : 18 U : 0 W : 0 X : 0		
50	50mm Junction	No	28
	Q : 28 U : 0 W : 0 X : 0		
51	50mm Access junction	No	14
	Q : 14 U : 0 W : 0 X : 0		
52	50mm Double Junction	No	3
	Q : 3 U : 0 W : 0 X : 0		
53	110mm Bend	No	12
	Q : 12 U : 0 W : 0 X : 0		
54	110mm Access bend	No	23
	Q : 23 U : 0 W : 0 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

55	110mm Access bend with anti-syphon horn Q : 9 U : 0 W : 0 X : 0	No	9
56	110mm - 50mm Reducing Junction Q : 50 U : 0 W : 0 X : 0	No	50
<u>uPVC Socketed pipes Class 51 for use under ground in accordance with SABS 791</u>			
57	50mm Pipes laid in and including trenches not exceeding 1m deep under surface beds Q : 160 U : 45 W : 0 X : 0	m	205
58	110mm Pipes laid in and including trenches not exceeding 1m deep under surface beds Q : 345 U : 68 W : 0 X : 0	m	413
<u>Extra over uPVC pipes for fittings:</u>			
59	50mm Bend Q : 22 U : 0 W : 0 X : 0	No	22
60	110mm Bend Q : 81 U : 0 W : 0 X : 0	No	81
61	110mm Access bend Q : 11 U : 0 W : 0 X : 0	No	11
62	110mm Double connection Bend Q : 3 U : 0 W : 0 X : 0	No	3
63	110mm Junction Q : 54 U : 0 W : 0 X : 0	No	54
64	110 x 50mm Access reducing junction Q : 9 U : 0 W : 0 X : 0	No	9
65	110mm Straight pan connector Q : 26 U : 0 W : 0 X : 0	No	26
66	110mm Straight coupler Q : 52 U : 0 W : 0 X : 0	No	52
67	110mm Rodding eye Q : 26 U : 0 W : 0 X : 0	No	26
<u>WATER SUPPLY</u>			
<u>Class 0 copper pipes for compression fittings in accordance with SABS 460</u>			
68	15mm Pipes Q : 312 U : 96 W : 72 X : 23	m	503
Carried to Collection			
Section No. 2 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL) Bill No. 15 Internal Plumbing & Drainage			

R

69	15mm Pipes chased into brick walls Q : 509 U : 95 W : 92 X : 28	m	724
70	22mm Pipes Q : 173 U : 64 W : 47 X : 21	m	305
71	22mm Pipes chased into brick walls Q : 163 U : 37 W : 57 X : 20	m	277
72	28mm Pipes Q : 337 U : 8 W : 13 X : 6	m	364
73	28mm Pipes chased into brick walls Q : 148 U : 0 W : 40 X : 13	m	201
74	35mm Pipes Q : 495 U : 45 W : 0 X : 0	m	540
75	42mm Pipes Q : 23 U : 26 W : 0 X : 0	m	49
<u>Extra over for fittings</u>			
<u>Extra over Class 0 copper pipes for brass capillary soldered fittings</u>			
76	15mm Fittings Q : 601 U : 70 W : 67 X : 20	No	758
77	22mm Fittings Q : 161 U : 40 W : 38 X : 17	No	256
78	28mm Fittings Q : 31 U : 8 W : 5 X : 5	No	49
79	28mm to 15mm reducing tee Q : 23 U : 0 W : 0 X : 0	No	23
80	32mm Bend Q : 58 U : 0 W : 0 X : 0	No	58
81	32mm Tee Q : 36 U : 0 W : 0 X : 0	No	36
82	32mm to 15mm reducer Q : 20 U : 0 W : 0 X : 0	No	20
83	32mm to 22mm reducer Q : 31 U : 0 W : 0 X : 0	No	31
84	32mm to 25mm reducer Q : 4 U : 0 W : 0 X : 0	No	4

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

85	32mm to 15mm reducing tee Q : 22 U : 0 W : 0 X : 0	No	22
86	32mm to 25mm reducing tee Q : 3 U : 0 W : 0 X : 0	No	3
87	32mm to 28mm reducing tee Q : 15 U : 0 W : 0 X : 0	No	15
88	42mm Bend Q : 8 U : 0 W : 0 X : 0	No	8
89	42mm Tee Q : 4 U : 0 W : 0 X : 0	No	4
90	42mm to 22mm reducing tee Q : 8 U : 0 W : 0 X : 0	No	8
91	42mm to 35mm reducing tee Q : 9 U : 0 W : 0 X : 0	No	9

LAGGING**Armaflex pipe insulation suitable for exterior application**

92	Insulation to 15mm pipe and couplings Q : 76 U : 22 W : 24 X : 7	m	129
93	Insulation to 22mm pipe and couplings Q : 53 U : 10 W : 15 X : 5	m	83

ELECTRIC WATER HEATERS**Hydroboil**

94	Zip stainless steel 7,5 litre Hydroboil (Code: 2610011), size 310 x 180 x 460mm high with instant boiling water, two way tap control and GlobalPlus™ water filtration kit, connected to 15mm cold water supply with service valve, waste for safety valve connected to waste water system and 220 volt 15 amp electrical power supply, plugged and screwed to wall and fitted under 1 year guarantee. Q : 5 U : 0 W : 2 X : 0	No	7
----	--	----	---

FIRE EQUIPMENT, ETC ON WALL MOUNTED HANGERS

95	Fire hose reel to SABS 543 complete with 20mm diameter rubber hose 30m long, chromium plated stopcock, shut-off nozzle and wall bracket Q : 6 U : 2 W : 1 X : 1	No	10
----	--	----	----

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

R

96	4.5kg Dry chemical powder fire extinguisher including hanger fixed to and including timber backing board. Q : 12 U : 8 W : 2 X : 2	No	24
<u>WATER SUPPLIES TO FIRE APPLIANCES</u>			
<u>Galvanised steel pipes</u>			
97	25mm Pipes fixed to walls with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor Q : 15 U : 2 W : 2 X : 10	m	29
98	25mm Pipes fixed into fibre cement knock up ceilings with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor Q : 45 U : 0 W : 0 X : 15	m	60
<u>Extra over galvanised steel pipes for steel fittings</u>			
99	25mm Fittings Q : 15 U : 5 W : 5 X : 0	No	25
100	50 x 25mm Reducing socket Q : 3 U : 1 W : 1 X : 0	No	5
<u>TESTING</u>			
101	Pressure testing fire pipe system Q : 1.00 U : 0.00 W : 0.00 X : 0.00	Item	

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
---------	--------

144
145
146
147
148
149
150
151
152
153
154
155
156
157

Carried Forward to Summary of Section No. 2
Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 15
Internal Plumbing & Drainage

R

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>EXISTING HOSPITAL (PROVISIONAL)</u>			
	<u>BILL NO 16</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (Item 7)</u>			
	<u>TRADE NAMES</u>			
	No reference to trade names shall be made in these Bills of Quantities. Any reference to trade names in the Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 150 for JBCC CPAP purposes			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Clear float glass</u>			
1	Panes not exceeding 0,1 square metre in area Q : 6 U : 1 W : 0 X : 0	m2	7	
2	Panes exceeding 0,1 and not exceeding 0,5 square metre in area Q : 2 U : 0 W : 2 X : 0	m2	3	
	<u>6mm Clear normal strength PVB Laminated safety glass</u>			
3	Panes not exceeding 0,1 square metre in area Q : 1 U : 2 W : 0 X : 0	m2	3	
4	Panes exceeding 0,1 and not exceeding 0,5 square metre in area Q : 8 U : 1 W : 2 X : 1	m2	12	
5	Panes exceeding 0,5 and not exceeding 1,0 square metre in area Q : 0 U : 4 W : 4 X : 0	m2	8	
	Carried to Collection			
	Section No. 2			
	SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)			
	Bill No. 16			
	Glazing			

R

PANELS, MIRRORS, ETC

6mm Silvered float glass copper backed mirrors with bevelled edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete

6	Mirror 450 x 600mm high with four screws	No	25	
	Q : 14 U : 7 W : 4 X : 0			

Chronos reflective polished surface mirror with concealed fixings installed strictly to manufacturer's specifications (G7, G7, G23-Block Q)

7	Mirror 500 x 900mm high	No	31	
	Q : 20 U : 0 W : 5 X : 6			

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 16
Glazing

R

Section No. 2

SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)

Bill No. 16

Glazing

SUMMARY

Total Brought Forward from Page No.

Page
No

159

160

Amount

Carried Forward to Summary of Section No. 2

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 16
Glazing

R

Ensure that surfaces are dry, sound and clean. Remove any oil, grease and other contaminants with Hydrocarbon solvents and detergents working it well into affected areas with bristle broom or brush. Leave for 20 minutes to react, then rinse thoroughly with fresh water to remove all traces of Hydrocarbon solvents and detergents using high pressure water jet or scrubbing with brush or broom. Allow to dry completely. Remove fungi and algae by scrubbing with a solution of household bleach (3.5% sodium hypochlorite) 1 part bleach to 2 parts water by volume. Leave for 1 hour, then brush off with a bristle brush. Rinse thoroughly with tap water to remove all traces of bleach and allow to dry. Fill cracks and other surface defects with the appropriate Polycell filler. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval

2	On existing plastered internal walls Q : 1326 U : 288 W : 347 X : 228	m2	2 189
	<u>Ensure that surfaces are dry, sound and clean. Remove any oil, grease and other contaminants with Hydrocarbon solvents and detergents working it well into affected areas with bristle broom or brush. Leave for 20 minutes to react, then rinse thoroughly with fresh water to remove all traces of Hydrocarbon solvents and detergents using high pressure water jet or scrubbing with brush or broom. Allow to dry completely. Remove fungi and algae by scrubbing with a solution of household bleach (3.5% sodium hypochlorite) 1 part bleach to 2 parts water by volume. Leave for 1 hour, then brush off with a bristle brush. Rinse thoroughly with tap water to remove all traces of bleach and allow to dry. Fill cracks and other surface defects with the appropriate Polycell filler. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications Colour to Architect's approval</u>		
3	On existing plastered external walls Q : 201 U : 0 W : 0 X : 0	m2	201

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 17
Paintwork

R

	<p><u>Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval (C3)</u></p>			
4	<p>On newly plastered internal walls</p> <p>Q : 2602 U : 334 W : 329 X : 75</p>	m2	3 340	
	<p><u>Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications Colour to Architect's approval (H38)</u></p>			
5	<p>On newly plastered external walls</p> <p>Q : 618 U : 140 W : 329 X : 0</p>	m2	1 087	
	<u>ON FIBRE CEMENT</u>			
	<p><u>Prepare surfaces and remove all loose material. Prime with one coat of Professional Primer with an overcoating time of 16 hours and finish with one coat of Acrylic paint thinned 20% and one coat Acrylic paint. All to manufacturer's detail specifications. Colour to Architect's approval. (H10)</u></p>			
6	<p>On fibre cement fascia and barge boards</p> <p>Q : 177 U : 36 W : 50 X : 0</p>	m2	263	
7	<p>On fibre cement sills</p> <p>Q : 0 U : 1 W : 0 X : 0</p>	m2	1	

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 17
Paintwork

All roof sheeting to be pressure washed after repair work has been completed (to Architect's approval) and finished with superior waterbased acrylic paint to exterior new fibre cement. Surface to be assessed and the appropriate surface preparation clauses selected for remedial procedure. Prime with one coat clear resin based binding agent with an overcoating time of 4 hours and finish with two coats superior waterbased acrylic paint with 2 hours drying time between coats, for a maintenance cycle of 4 years in a C1 - inland environment. Overcoating time for primer/base coat: 16hours. All to manufacturer's detail specifications. Colour to Architect's approval.

8	On existing fibre cement roof covering	m2	1 822	
	Q : 1822 U : 0 W : 0 X : 0			

Prepare surfaces and remove all loose material. Prime with one coat of Professional Primer with an overcoating time of 16 hours and finish with one coat of Pure Acrylic paint. All to manufacturer's detail specifications. Colour to Architect's approval. (D3)

9	On fibre cement ceilings	m2	262	
	Q : 0 U : 262 W : 0 X : 0			

ON PLASTER BOARD

Prepare surfaces and remove all loose material. Prime with one coat Primer with an overcoating time of 16 hours and finish with one coat Acrylic paint thinned 20% and one coat Acrylic paint. All to manufacturer's detail specifications. Colour to Architect's approval (D15, D16)

10	On plasterboard ceilings	m2	64	
	Q : 54 U : 10 W : 0 X : 0			

ON METALWORK

Prepare surface and apply one coat Primer with an overcoating time of 1 hour finish with two coats pure acrylic paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architects approval.

11	On door frames	m2	177	
	Q : 101 U : 31 W : 28 X : 17			

12	On existing door frames	m2	28	
	Q : 0 U : 0 W : 11 X : 17			

Carried to Collection

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 17
Paintwork

R

13	On new window frames	m2	10
	Q : 0 U : 10 W : 0 X : 0		
14	On existing window frames	m2	228
	Q : 165 U : 26 W : 20 X : 17		
15	On transformer doors and frames	m2	5
	Q : 5 U : 0 W : 0 X : 0		
16	On gates	m2	45
	Q : 37 U : 0 W : 4 X : 4		
17	On structural steel members	m2	382
	Q : 236 U : 60 W : 86 X : 0		
	<u>Prepare and Prime with one coat Alkali Burn Resistance Primer with an overcoating time of 1 hour and finish with two coats pure acrylic emulsion sheen paint with 2 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment. All to manufacturer's detail specifications. Colour to Architects approval.</u>		
18	On IBR ceilings	m2	321
	Q : 0 U : 0 W : 218 X : 103		
19	On metal ceilings	m2	685
	Q : 685 U : 0 W : 0 X : 0		
	<u>Sand down, clean and Apply Galvanised Iron Cleaner to all bare galvanised areas. Allow to react for 1 minute and rinse off with tap water using bristle brush or Scotch Brite pads to remove all surface contaminants, until surface is water break-free. Prime with one coat of Galvanised Iron Primer with an overcoating time of 24 hours and finish with two coats of UV-resistant waterbased acrylic roof paint with 16 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval</u>		
20	On existing IBR roof covering	m2	611
	Q : 0 U : 362 W : 249 X : 0		

Carried to Collection

R

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 17
Paintwork

ON WOOD

Stop, fill, sand down and prepare wood surface.
Prime with one coat Universal Epoxy Primer with an
overcoating time of 4 hours and finish with two
coats pure acrylic paint with 2 hours drying time
between coats. All to manufacturer's detail
specifications. Colour to Architect's approval

21	On doors	m2	503
	Q : 284 U : 97 W : 73 X : 49		

SPECIAL FINISHES

Remove all fungus from surface of ceiling / slab
manually. Scrub ceiling area with a concentrated
high performance industrial detergent to prevent
further fungal growth. Allow to dry completely.
Apply a pigmented and vapour permeable water-
based epoxy resin coating Clear as a Primer coat.
Allow to dry and apply two coats of semi-gloss
water based epoxy coating system with anti-fungal
properties. All to manufacturer's detail
specifications. Colour to Architect's approval (C1-
Block U)

22	On concrete ceilings	m2	55
	Q : 0 U : 55 W : 0 X : 0		

Perform a light surface grind to remove laitance and
oil contamination. Repair all cracks and blow holes
with a structural epoxy adhesive and smooth over.
Apply Solvent Free Epoxy Primer to seal air
movement through concrete Apply two coats of
Polyurethane sealer providing excellent UV
protection by roller to achieve an overall thickness
of approximately 100microns. All to manufacturer's
detail specifications. Colour to Architect's approval
(B5-Block U)

23	On existing plastered internal walls	m2	87
	Q : 0 U : 87 W : 0 X : 0		

24	On newly plastered internal walls	m2	37
	Q : 0 U : 37 W : 0 X : 0		

Carried to Collection

R

Section No. 2
 SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
 Bill No. 17
 Paintwork

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 17
Paintwork

SUMMARY

Total Brought Forward from Page No.

Page No	Amount
---------	--------

162	
163	
164	
165	
166	
167	

Carried Forward to Summary of Section No. 2

Section No. 2
SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)
Bill No. 17
Paintwork

R

Item No	Quantity	Rate	Amount
<u>SECTION 3</u>			
This section is divided in columns as follows:			
A : Block A – A&E Theatres, Radiology, CSSD, Admissions, Cafeteria, Lab, Clinical Forensic Unit and Administration			
B : Block B – Pharmacy, OPD, Dental Unit and Eye Clinic			
C : Block C – Ante Natal, Pregnant Mothers and Delivery Ward			
D : Block D – Post Natal Ward and Kangaroo Mother Care			
E : Block E – Paediatric Ward			
F : Block F – Surgical Ward			
G : Block G – Medical Ward Female			
H : Block H – Medical Ward Male			
J : Block J – Infectious Diseases Ward and Staff Entrance			
K : Block K – Electrical Plant			
L : Block L – Waste Management and Staff Ablution			
M : Block M – Kitchen and Laundry			
N : Block N – Main Gatehouse and Pedestrian Entrance			
V : Block V – Chiller and Hot Water Plant			
Annotations at end of description i.e. (San005) refer to the Architect's specification attached to the back of these bills of quantities. Tenderers are advised to study the Architect's specification for the full intent and meaning of the relevant item			
<u>NEW HOSPITAL</u>			
<u>BILL NO 1</u>			
<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>PREAMBLES</u>			
<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
<u>TRADE NAMES</u>			
Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
Carried to Collection			R
Section No. 3			
SECTION 3 - NEW HOSPITAL			
Bill No. 1			
Foundations (Provisional)			

SUPPLEMENTARY PREAMBLES

Nature of material to be excavated

A geotechnical report has been carried out on site by the engineer and the report is available at the offices of the Engineers. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured

Carting away of excavated material

Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site

Excavation for working space in rock

Notwithstanding the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as "extra over" bulk excavation or trench and hole excavation as the case may be

Filling

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

Testing

Prices for filling are to include for all necessary density tests in accordance with SABS 1200D

Subterranean water

No information regarding subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow therefore in his prices

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

R

NOTE: The following items shall be deemed to fall into
Work Group No 104 for JBCC CPAP purposes

EARTHWORKS

EXCAVATION, FILLING, ETC

Excavation in earth or compacted filling not exceeding 2m deep

1	Reducing levels to final levels under floors, ramps, pavings, etc.	m3	2 515
	A : 672 B : 326 C : 194 D : 202		
	E : 143 F : 140 G : 118 H : 145		
	J : 121 K : 53 L : 45 M : 302		
	N : 12 V : 41		
2	Trenches	m3	6 869
	A : 1582 B : 684 C : 378 D : 441		
	E : 311 F : 327 G : 706 H : 862		
	J : 304 K : 319 L : 253 M : 565		
	N : 96 V : 41		
3	Column bases	m3	996
	A : 237 B : 236 C : 38 D : 23		
	E : 24 F : 14 G : 63 H : 161		
	J : 54 K : 12 L : 60 M : 4		
	N : 42 V : 28		
4	Lift pit	m3	80
	A : 18 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 21 H : 42		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
5	Floor channels base	m3	314
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 223 L : 0 M : 55		
	N : 0 V : 36		
	<u>Extra over excavations in earth for excavation in</u>		
6	Soft rock	m3	787
	A : 182 B : 92 C : 42 D : 46		
	E : 34 F : 34 G : 77 H : 102		
	J : 36 K : 33 L : 31 M : 57		
	N : 14 V : 7		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

R

7	Hard rock	m3	393
	A : 91 B : 46 C : 21 D : 23		
	E : 17 F : 17 G : 38 H : 51		
	J : 18 K : 17 L : 16 M : 28		
	N : 7 V : 3		
	<u>Extra over all excavations for carting away</u>		
8	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	4 034
	A : 896 B : 433 C : 226 D : 251		
	E : 184 F : 184 G : 305 H : 393		
	J : 181 K : 377 L : 134 M : 336		
	N : 75 V : 59		
	<u>Risk of collapse of excavations</u>		
9	Sides of trench and hole excavations not exceeding 1,5m deep	m2	16 660
	A : 3966 B : 1871 C : 1171 D : 1300		
	E : 942 F : 934 G : 823 H : 823		
	J : 911 K : 963 L : 753 M : 1626		
	N : 394 V : 183		
10	Ditto, but exceeding 1,5m deep and not exceeding 3m deep	m2	2 518
	A : 33 B : 381 C : 0 D : 0		
	E : 0 F : 24 G : 643 H : 1225		
	J : 92 K : 0 L : 119 M : 0		
	N : 0 V : 0		
	<u>Keeping excavations free of water</u>		
11	Keeping excavations free of water		Item
	<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density</u>		
12	Backfilling to trenches, holes, etc	m3	4 268
	A : 958 B : 492 C : 191 D : 215		
	E : 152 F : 157 G : 485 H : 672		
	J : 176 K : 179 L : 179 M : 289		
	N : 87 V : 36		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 95% Mod AASHTO density</u>			
13	Under floors, steps, pavings, etc A : 672 B : 326 C : 194 D : 202 E : 143 F : 140 G : 118 H : 145 J : 121 K : 53 L : 45 M : 302 N : 12 V : 41	m3	2 515
<u>Approved G7 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 95% Mod. AASHTO density</u>			
14	Under solid floors A : 672 B : 326 C : 194 D : 202 E : 143 F : 140 G : 118 H : 145 J : 121 K : 53 L : 45 M : 302 N : 12 V : 41	m3	2 515
<u>Approved G5 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 95% Mod. AASHTO density</u>			
15	Under solid floors A : 672 B : 326 C : 194 D : 202 E : 143 F : 140 G : 118 H : 145 J : 121 K : 53 L : 45 M : 302 N : 12 V : 41	m3	2 515
<u>20mm Thick coarse river sand filling supplied by the contractor</u>			
16	Under floors etc A : 4494 B : 2172 C : 1292 D : 1346 E : 956 F : 936 G : 803 H : 992 J : 804 K : 563 L : 301 M : 2057 N : 78 V : 316	m2	17 110

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

Compaction of surfaces

17	Compaction of ground surface under surface beds etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	17 110		
	A : 4494 B : 2172 C : 1292 D : 1346				
	E : 956 F : 936 G : 803 H : 992				
	J : 804 K : 563 L : 301 M : 2057				
	N : 78 V : 316				

SOIL INSECTICIDE**Soil insecticide in accordance with SANS 5859**

18	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming (Certificate to be supplied before payment is made)	m2	17 110		
	A : 4494 B : 2172 C : 1292 D : 1346				
	E : 956 F : 936 G : 803 H : 992				
	J : 804 K : 563 L : 301 M : 2057				
	N : 78 V : 316				

19	To bottoms and sides of trenches and holes (Certificate to be supplied before payment is made)	m2	24 327		
	A : 5012 B : 2588 C : 1548 D : 1852				
	E : 1297 F : 1359 G : 1901 H : 2237				
	J : 1294 K : 1247 L : 940 M : 2199				
	N : 571 V : 282				

NOTE: The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes

UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES**15MPa/19mm concrete**

20	Blinding under column bases	m3	10		
	A : 0 B : 0 C : 0 D : 1				
	E : 1 F : 1 G : 1 H : 1				
	J : 1 K : 1 L : 0 M : 0				
	N : 3 V : 2				

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

R

21	Blinding under lift pit base	m3	17
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 1 H : 1		
	J : 0 K : 11 L : 0 M : 2		
	N : 0 V : 2		
22	Blinding under strip footings	m3	342
	A : 76 B : 40 C : 23 D : 27		
	E : 19 F : 20 G : 26 H : 29		
	J : 19 K : 13 L : 11 M : 29		
	N : 6 V : 3		
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
23	Strip footings	m3	1 718
	A : 382 B : 202 C : 117 D : 136		
	E : 96 F : 99 G : 137 H : 146		
	J : 93 K : 66 L : 54 M : 146		
	N : 30 V : 13		
24	Lift Pit base	m3	22
	A : 6 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 3 H : 13		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
<u>30MPa/19mm concrete</u>			
25	Column bases	m3	409
	A : 169 B : 69 C : 22 D : 15		
	E : 14 F : 9 G : 18 H : 36		
	J : 12 K : 4 L : 14 M : 1		
	N : 16 V : 10		
26	Columns in foundations	m3	16
	A : 2 B : 4 C : 1 D : 0		
	E : 0 F : 0 G : 1 H : 4		
	J : 1 K : 0 L : 1 M : 0		
	N : 0 V : 1		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

27	Stub columns in foundations	m3	6
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 6 V : 0		
28	Walls	m3	92
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 3 H : 3		
	J : 0 K : 49 L : 0 M : 23		
	N : 0 V : 14		
29	Floor channel	m3	49
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 33 L : 0 M : 10		
	N : 0 V : 6		
<u>TEST BLOCKS</u>			
30	Making and testing set of three 150 x 150 x 150 mm strength test cubes	Sets	120
	A : 120 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes			
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
31	Rectangular columns	m2	203
	A : 17 B : 54 C : 7 D : 3		
	E : 4 F : 2 G : 17 H : 43		
	J : 18 K : 5 L : 16 M : 0		
	N : 5 V : 12		
32	Rectangular stub columns	m2	46
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 46 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

33	Walls in floor channels	m2	1 005	
	A : 0 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 620 L : 0 M : 192			
	N : 0 V : 193			
34	Walls	m2	67	
	A : 0 B : 2 C : 0 D : 0			
	E : 0 F : 0 G : 22 H : 23			
	J : 0 K : 20 L : 0 M : 0			
	N : 0 V : 0			
	<u>Rough formwork to circular columns</u>			
35	300mm Diameter circular column 0.18m high	No	1	
	A : 0 B : 0 C : 0 D : 0			
	E : 1 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
36	300mm Diameter circular column 0.51m high	No	1	
	A : 0 B : 0 C : 0 D : 0			
	E : 1 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
37	400mm Diameter circular column 1.45m high	No	7	
	A : 0 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 7			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
38	450mm Diameter circular column 0.13m high	No	10	
	A : 10 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
	<u>Movement joints etc.</u>			
39	10mm Jointex in vertical joint between concrete and brickwork not exceeding 300mm wide or high	m	294	
	A : 24 B : 80 C : 11 D : 4			
	E : 6 F : 3 G : 20 H : 68			
	J : 19 K : 7 L : 27 M : 0			
	N : 8 V : 17			
Carried to Collection				
Section No. 3				
SECTION 3 - NEW HOSPITAL				
Bill No. 1				
Foundations (Provisional)				

R

NOTE: The following items shall be deemed to fall into Work Group No 116 for JBCC CPAP purposes

MASONRY

Brickwork (14Mpa nominal compressive strength) in 3:1 cement mortar

40	One brick walls	m2	5 406
	A : 1142 B : 518 C : 327 D : 395		
	E : 241 F : 274 G : 435 H : 554		
	J : 230 K : 343 L : 268 M : 556		
	N : 86 V : 37		
41	Ditto, but circular on plan	m2	65
	A : 65 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
42	330mm Cavity walls formed of two half brick skins and 110mm cavity filled with 15 MPa concrete, including wire ties	m2	307
	A : 0 B : 58 C : 5 D : 1		
	E : 39 F : 22 G : 56 H : 79		
	J : 46 K : 0 L : 0 M : 0		
	N : 0 V : 0		
43	440mm Brick walls	m2	7
	A : 7 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
44	Ditto, but circular on plan	m2	8
	A : 0 B : 0 C : 8 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>Brickwork reinforcement</u>		
45	75mm Wide reinforcement built in horizontally	m	7 485
	A : 0 B : 1355 C : 323 D : 32		
	E : 912 F : 522 G : 1319 H : 1862		
	J : 1160 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

R

46	150mm Wide reinforcement built in horizontally A : 14328 B : 6090 C : 3842 D : 4650 E : 2840 F : 3223 G : 5101 H : 6490 J : 2704 K : 4030 L : 3155 M : 6543 N : 1016 V : 434 <u>Galvanized hoop iron cramps, ties etc.</u>	m	64 446	
47	1.6 x 32 x 400mm long Galvanised hoop irons ties fixed to concrete and built into brickwork A : 70 B : 234 C : 32 D : 11 E : 17 F : 7 G : 59 H : 201 J : 55 K : 21 L : 80 M : 0 N : 24 V : 51 <u>FACE BRICKWORK</u> <u>Face brick, size 222 x 106 x 73mm, manufactured in accordance with 227:2007 (PC Amount of R7,500.00 per thousand bricks delivered to site, excluding VAT) pointed with recessed horizontal and vertical joints</u>	No	861	
48	Extra over brickwork for face brickwork A : 0 B : 52 C : 46 D : 18 E : 19 F : 19 G : 30 H : 33 J : 26 K : 0 L : 0 M : 0 N : 0 V : 0 <u>NOTE:</u> The following items shall be deemed to fall into Work Group No 142 for JBCC CPAP purposes	m2	243	
	<u>EXTERNAL PLASTER</u> <u>One coat 1:5 cement plaster on brickwork</u>			
49	On walls A : 217 B : 93 C : 31 D : 72 E : 51 F : 52 G : 76 H : 118 J : 64 K : 154 L : 125 M : 208 N : 39 V : 19	m2	1 320	
50	On circular walls A : 29 B : 0 C : 4 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	m2	33	
	Carried to Collection			
	Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 1 Foundations (Provisional)			R

NOTE: The following items shall be deemed to fall into Work Group No 152 for JBCC CPAP purposes

PAINTWORK

Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications Colour to Architect's approval (H38)

51	External plastered walls	m2	1 353
	A : 246 B : 93 C : 35 D : 72		
	E : 51 F : 52 G : 76 H : 118		
	J : 64 K : 154 L : 125 M : 208		
	N : 39 V : 19		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 1

Foundations (Provisional)

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

170
171
172
173
174
175
176
177
178
179
180
181

Carried Forward to Summary of Section No. 3

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 1
Foundations (Provisional)

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u></p> <p><u>NEW HOSPITAL</u></p> <p><u>BILL NO 2</u></p> <p><u>CONCRETE FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Type of cement</u></p> <p>All cement used in concrete work is to be OPC cement, no cement containing fly ash will be allowed</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Representative/Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Representative/Agent. (Test cubes are measured separately)</p> <p><u>Breeze concrete</u></p> <p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (1:12); the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated</p>			
	Carried to Collection		R	
	<p>Section No. 3</p> <p>SECTION 3 - NEW HOSPITAL</p> <p>Bill No. 2</p> <p>Concrete, Formwork & Reinforcement</p>			

Lightweight concrete

Lightweight concrete shall have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm

Formwork

Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself

Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described

Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described

Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

Smooth formwork

All smooth formwork must be cleaned, all unevenness removed, properly prepared and then finished with a final coat of cementitious paint to give a smooth and even finish

NOTE: *The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes*

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

R

CONCRETE**REINFORCED CONCRETE****25 MPa/19 mm concrete in**

1	Surface beds in panels on waterproofing	m3	1 933
	A : 510 B : 273 C : 143 D : 148		
	E : 109 F : 99 G : 87 H : 107		
	J : 88 K : 51 L : 34 M : 234		
	N : 10 V : 41		

2	Ramps on waterproofing	m3	14
	A : 0 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 2 K : 2 L : 5 M : 2		
	N : 1 V : 0		

3	Plinths	m3	31
	A : 0 B : 6 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 24		

30 MPa/19 mm concrete in

4	Slabs	m3	2 626
	A : 983 B : 322 C : 186 D : 150		
	E : 126 F : 60 G : 233 H : 417		
	J : 82 K : 11 L : 27 M : 18		
	N : 12 V : 0		

5	Cantilever slabs	m3	3
	A : 0 B : 0 C : 3 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

6	Ramps	m3	26
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 26		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

R

7	Stairs including landings	m3	14
	A : 7 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 7		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
8	Beams and inverted beams	m3	653
	A : 183 B : 78 C : 51 D : 44		
	E : 30 F : 28 G : 25 H : 94		
	J : 40 K : 14 L : 14 M : 50		
	N : 4 V : 0		
9	Walls	m3	113
	A : 32 B : 7 C : 0 D : 0		
	E : 0 F : 0 G : 33 H : 40		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
10	Columns	m3	109
	A : 59 B : 8 C : 5 D : 2		
	E : 4 F : 3 G : 4 H : 9		
	J : 2 K : 2 L : 3 M : 0		
	N : 0 V : 6		
	<u>TEST BLOCKS</u>		
11	Making and testing set of three 150 x 150 x 150 mm strength test cubes	No	320
	A : 320 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>CONCRETE SUNDRIES</u>		
	<u>Finishing top surface of concrete smooth with a wood float</u>		
12	Surface beds, slabs, etc	m2	945
	A : 37 B : 16 C : 8 D : 5		
	E : 7 F : 16 G : 6 H : 12		
	J : 4 K : 0 L : 91 M : 743		
	N : 0 V : 0		
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes		

	Carried to Collection		
	Section No. 3		
	SECTION 3 - NEW HOSPITAL		
	Bill No. 2		
	Concrete, Formwork & Reinforcement		

R

FORMWORK**ROUGH FORMWORK (DEGREE OF ACCURACY II)****Rough formwork to sides**

13	Walls exceeding 3.5m and not exceeding 5m high	m2	66
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 66 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
14	Walls exceeding 6.5m and not exceeding 8m high	m2	570
	A : 249 B : 34 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 287		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
15	Walls exceeding 8m and not exceeding 9.5m high	m2	198
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 198 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
16	Wall Beams not exceeding 3.5m high	m2	1 104
	A : 85 B : 187 C : 127 D : 133		
	E : 62 F : 95 G : 0 H : 9		
	J : 94 K : 0 L : 50 M : 262		
	N : 0 V : 0		
17	Inverted beams not exceeding 3.5m high	m2	632
	A : 185 B : 82 C : 51 D : 53		
	E : 40 F : 24 G : 0 H : 94		
	J : 58 K : 4 L : 13 M : 22		
	N : 5 V : 0		
18	Inverted beams exceeding 3.5m and not exceeding 5m high	m2	70
	A : 70 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

R

19	Inverted beams exceeding 5m and not exceeding 6.5m high	m2	55
	A : 32 B : 5 C : 0 D : 0		
	E : 6 F : 5 G : 4 H : 4		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
20	Inverted beams exceeding 6.5m and not exceeding 8m high	m2	25
	A : 25 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
21	Inverted beams exceeding 8m and not exceeding 9.5m high	m2	6
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 6 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
22	Ditto, but circular on plan exceeding 1 meter radius not exceeding 3.5m high	m2	25
	A : 19 B : 3 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 3		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
23	Ditto, but circular on plan exceeding 1 meter radius exceeding 3.5m and not exceeding 5m high	m2	9
	A : 8 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
24	Ditto, but circular on plan exceeding 1 meter radius exceeding 5m and not exceeding 6.5m high	m2	28
	A : 8 B : 0 C : 20 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

25	Ditto, but circular on plan exceeding 1 meter radius exceeding 6.5m and not exceeding 8m high	m2	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
26	Inverted beams set sloping not exceeding 3.5m high	m2	85
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 85		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
27	Beams not exceeding 3.5m high	m2	1 212
	A : 353 B : 161 C : 101 D : 104		
	E : 81 F : 48 G : 0 H : 153		
	J : 113 K : 17 L : 26 M : 39		
	N : 18 V : 0		
28	Beams exceeding 3.5m not exceeding 5m high	m2	138
	A : 138 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
29	Beams exceeding 5m not exceeding 6.5m high	m2	108
	A : 62 B : 10 C : 0 D : 0		
	E : 11 F : 10 G : 7 H : 7		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
30	Beams exceeding 6.5m not exceeding 8m high	m2	49
	A : 49 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
31	Beams exceeding 8m not exceeding 9.5m high	m2	12
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 12 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

32	Ditto, but circular on plan exceeding 1 meter radius not exceeding 3.5m high	m2	48
	A : 38 B : 5 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 6		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
33	Ditto, but circular on plan exceeding 1 meter radius exceeding 3.5m and not exceeding 5m high	m2	26
	A : 16 B : 10 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
34	Ditto, but circular on plan exceeding 1 meter radius exceeding 5m and not exceeding 6.5m high	m2	54
	A : 15 B : 0 C : 39 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
35	Ditto, but circular on plan exceeding 1 meter radius exceeding 6.5m and not exceeding 8m high	m2	3
	A : 3 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
36	Beams set sloping not exceeding 3.5m high	m2	110
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 110		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
37	Square columns not exceeding 3.5m high	m2	52
	A : 9 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 44		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
38	Rectangular columns not exceeding 3.5m high	m2	250
	A : 76 B : 4 C : 72 D : 31		
	E : 25 F : 9 G : 31 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

39	Rectangular columns exceeding 3.5m and not exceeding 5m high A : 149 B : 17 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 29 K : 34 L : 39 M : 0 N : 0 V : 82	m2	350
40	Rectangular columns exceeding 5m and not exceeding 6.5m high A : 145 B : 29 C : 0 D : 0 E : 29 F : 29 G : 29 H : 29 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	m2	291
41	Rectangular columns exceeding 6.5m and not exceeding 8m high A : 282 B : 61 C : 0 D : 0 E : 0 F : 0 G : 0 H : 26 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	m2	369
42	Edges, risers, ends and reveals not exceeding 300mm high A : 176 B : 38 C : 22 D : 18 E : 23 F : 19 G : 18 H : 57 J : 15 K : 0 L : 0 M : 33 N : 0 V : 152	m	570
43	Sloping and stepped outer edges of stairs not exceeding 300mm high A : 70 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 66 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	m	136
<u>Rough formwork to soffits of:</u>			
44	Slabs not exceeding 250mm thick, propping not exceeding 3,5m high A : 0 B : 0 C : 0 D : 7 E : 7 F : 0 G : 0 H : 0 J : 0 K : 65 L : 0 M : 0 N : 70 V : 0	m2	150

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

45	Slabs exceeding 250mm and not exceeding 500mm thick, propping not exceeding 3,5m high	m2	4 921
	A : 1330 B : 752 C : 551 D : 571		
	E : 458 F : 210 G : 0 H : 558		
	J : 316 K : 0 L : 104 M : 71		
	N : 0 V : 0		
46	Slabs with sloping soffits exceeding 250mm and not exceeding 500mm, propping not exceeding 3,5m high	m2	131
	A : 15 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 116		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
47	Slabs exceeding 250mm and not exceeding 500mm thick, propping exceeding 3,5m and not exceeding 5m high	m2	4 435
	A : 2064 B : 463 C : 0 D : 0		
	E : 0 F : 0 G : 863 H : 1045		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
48	Slabs exceeding 250mm and not exceeding 500mm thick, propping exceeding 5m and not exceeding 6.5m high	m2	434
	A : 184 B : 22 C : 163 D : 0		
	E : 23 F : 22 G : 10 H : 10		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
49	Slabs exceeding 250mm and not exceeding 500mm thick, propping exceeding 6.5m and not exceeding 8m high	m2	202
	A : 202 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
50	Slabs exceeding 250mm and not exceeding 500mm thick, propping exceeding 8m and not exceeding 9.5m high	m2	22
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 22 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

51	Cantilever slabs exceeding 250mm and not exceeding 500mm thick, propping exceeding 5m and not exceeding 6.5m high	m2	10
	A : 0 B : 0 C : 10 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>Rough formwork to sides and soffits</u>		
52	Isolated beams not exceeding 3.5m high	m2	799
	A : 63 B : 137 C : 94 D : 98		
	E : 46 F : 70 G : 0 H : 5		
	J : 69 K : 0 L : 37 M : 181		
	N : 0 V : 0		
53	Ditto, but circular on plan exceeding 1 meter radius	m2	10
	A : 10 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
54	Isolated beams exceeding 3.5m and not exceeding 5m high	m2	122
	A : 29 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 93 L : 0 M : 0		
	N : 0 V : 0		
55	Beams not exceeding 3.5m high	m2	41
	A : 3 B : 33 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 6		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
56	Beams exceeding 3.5m not exceeding 5m high	m2	824
	A : 168 B : 71 C : 0 D : 0		
	E : 0 F : 0 G : 241 H : 343		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

Boxing in rough formwork to form:

57	20 x 20mm Horizontal chamfer along top of beam	m	6 099
	A : 2386 B : 671 C : 395 D : 407		
	E : 368 F : 227 G : 73 H : 698		
	J : 443 K : 98 L : 100 M : 131		
	N : 103 V : 0		
58	Ditto, but circular on plan	m	237
	A : 141 B : 10 C : 76 D : 0		
	E : 0 F : 0 G : 0 H : 11		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
59	20 x 20mm Drip joint along bottom of beam	m	3 010
	A : 1161 B : 336 C : 197 D : 203		
	E : 184 F : 114 G : 37 H : 342		
	J : 221 K : 49 L : 50 M : 65		
	N : 52 V : 0		
60	Ditto, but circular on plan	m	237
	A : 141 B : 10 C : 76 D : 0		
	E : 0 F : 0 G : 0 H : 11		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

SMOOTH FORMWORK (DEGREE OF ACCURACY II)**Formwork to circular columns**

61	300mm Diameter circular column 3.40m high	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 2 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
62	400mm Diameter circular column 0.73m high	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

R

63	400mm Diameter circular column 1.21m high	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
64	400mm Diameter circular column 1.70m high	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
65	400mm Diameter circular column 2.19m high	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
66	400mm Diameter circular column 2.68m high	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
67	400mm Diameter circular column 3.17m high	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
68	450mm Diameter circular column 3.91m high	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
69	450mm Diameter circular column 4.17m high	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

70	450mm Diameter circular column 7.65m high	No	6
	A : 6 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>MOVEMENT JOINTS, ETC</u>		
	<u>Saw cut joints</u>		
71	3 x 40mm Saw cut joints in top of concrete surface bed	m	2 078
	A : 0 B : 575 C : 314 D : 278		
	E : 251 F : 201 G : 174 H : 165		
	J : 119 K : 0 L : 0 M : 0		
	N : 0 V : 0		
72	3 x 55mm Saw cut joints in top of concrete surface bed	m	695
	A : 0 B : 194 C : 105 D : 93		
	E : 84 F : 67 G : 58 H : 55		
	J : 40 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>Expansion joints formed of jointex</u>		
73	10mm Jointex in vertical joint between concrete surfaces exceeding 300mm	m2	128
	A : 25 B : 12 C : 5 D : 20		
	E : 10 F : 9 G : 15 H : 12		
	J : 15 K : 0 L : 1 M : 3		
	N : 1 V : 0		
74	10mm Jointex in vertical joint between concrete and brickwork not exceeding 300mm high or wide	m	15 789
	A : 4432 B : 1936 C : 1199 D : 1218		
	E : 851 F : 852 G : 806 H : 1025		
	J : 800 K : 488 L : 397 M : 1303		
	N : 111 V : 370		
75	10mm Jointex in vertical joint between concrete surfaces not exceeding 300mm high or wide	m	200
	A : 93 B : 35 C : 25 D : 5		
	E : 5 F : 0 G : 9 H : 7		
	J : 18 K : 0 L : 0 M : 4		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

Slip joints between horizontal concrete and brick surfaces including two layers of three-ply malthoid on bearing surfaces

76	Slip joint not exceeding 300mm wide	m	5 952		
	A : 1778 B : 767 C : 501 D : 399				
	E : 280 F : 247 G : 243 H : 650				
	J : 389 K : 141 L : 121 M : 385				
	N : 52 V : 0				

0.58mm Galvanised plate installed between slip joints

77	220mm Wide galvanised plate	m	3 901		
	A : 1404 B : 437 C : 273 D : 203				
	E : 184 F : 114 G : 225 H : 625				
	J : 221 K : 49 L : 50 M : 65				
	N : 52 V : 0				

Expansion joint

78	Migutec FV35/35 or similar approved expansion joint plate	m	200		
	A : 93 B : 35 C : 25 D : 5				
	E : 5 F : 0 G : 9 H : 7				
	J : 18 K : 0 L : 0 M : 4				
	N : 0 V : 0				

Dowel bars

79	Ancon ESDQ 10 Dowel connector or similar approved embedded in side of concrete at expansion joint	No	2 795		
	A : 684 B : 462 C : 200 D : 287				
	E : 165 F : 190 G : 200 H : 197				
	J : 135 K : 3 L : 65 M : 200				
	N : 8 V : 0				

NOTE: The following items shall be deemed to fall into Work Group No 114 for JBCC CPAP purposes

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

REINFORCEMENT (PROVISIONAL)**Mild tensile steel rod reinforcement to structural concrete**

80	8mm Diameter bars	t	106.05	
	A : 45.13 B : 10.66 C : 5.90 D : 5.06			
	E : 4.17 F : 2.58 G : 7.96 H : 13.77			
	J : 3.07 K : 2.19 L : 1.42 M : 2.37			
	N : 0.94 V : 0.83			

High tensile steel rod reinforcement to structural concrete

81	10mm Diameter bars	t	129.81	
	A : 53.75 B : 13.49 C : 7.87 D : 6.51			
	E : 5.26 F : 3.32 G : 9.02 H : 17.99			
	J : 4.32 K : 1.88 L : 1.70 M : 3.28			
	N : 0.83 V : 0.60			

82	12mm Diameter bars	t	148.83	
	A : 74.69 B : 11.51 C : 6.60 D : 5.79			
	E : 5.47 F : 3.29 G : 7.22 H : 19.45			
	J : 4.14 K : 2.71 L : 1.77 M : 4.37			
	N : 1.04 V : 0.77			

83	16mm Diameter bars	t	177.41	
	A : 67.36 B : 18.91 C : 10.95 D : 9.43			
	E : 7.56 F : 5.21 G : 12.16 H : 23.39			
	J : 6.36 K : 4.06 L : 2.84 M : 6.02			
	N : 1.63 V : 1.53			

84	20mm Diameter bars	t	100.96	
	A : 53.49 B : 7.26 C : 3.93 D : 3.55			
	E : 3.48 F : 1.99 G : 5.33 H : 12.40			
	J : 2.32 K : 2.10 L : 1.13 M : 2.45			
	N : 0.83 V : 0.71			

High tensile steel anchor bars one end bend and built into brickwork and other end cast in concrete

85	6mm Diameter bars	t	0.99	
	A : 0.28 B : 0.13 C : 0.08 D : 0.07			
	E : 0.05 F : 0.05 G : 0.04 H : 0.11			
	J : 0.06 K : 0.03 L : 0.02 M : 0.07			
	N : 0.01 V : 0.00			

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

R

Fabric reinforcement				
86	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	16 976	
	A : 4483 B : 2088 C : 1292 D : 1346			
	E : 956 F : 936 G : 790 H : 966			
	J : 804 K : 563 L : 301 M : 2057			
	N : 78 V : 316			
87	Type 617 fabric reinforcement in concrete surface beds, slabs, etc.	m2	506	
	A : 22 B : 217 C : 0 D : 0			
	E : 0 F : 0 G : 27 H : 53			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 188			
Carried to Collection				
Section No. 3				
SECTION 3 - NEW HOSPITAL				
Bill No. 2				
Concrete, Formwork & Reinforcement				

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 2

Concrete, Formwork & Reinforcement

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199

Carried Forward to Summary of Section No. 3

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 2
Concrete, Formwork & Reinforcement

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u></p> <p><u>NEW HOSPITAL</u></p> <p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Wall ties</u></p> <p>Descriptions of solid walls (except if built in English bond) and cavity walls shall be deemed to include metal wall ties complying with SABS 28 and of the butterfly or of the modified PWD type, of the required length with each end built at least 75mm deep into brickwork, spaced at not more than 1m centres alternatively to every third course of brickwork</p> <p><u>Cavity walls etc</u></p> <p>Descriptions of cavity walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p>			
	Carried to Collection		R	
	<p>Section No. 3</p> <p>SECTION 3 - NEW HOSPITAL</p> <p>Bill No. 3</p> <p>Masonry</p>			

Face bricks

Bricks shall be ordered timeously to obtain uniformity in size and colour

Pointing

Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc

NOTE: The following items shall be deemed to fall into Work Group No 116 for JBCC CPAP purposes

SUPERSTRUCTURE**Brickwork of clay bricks in 6:1 cement mortar**

1	Half brick walls	m2	3 325
	A : 1085 B : 896 C : 204 D : 144		
	E : 124 F : 79 G : 120 H : 121		
	J : 88 K : 0 L : 55 M : 397		
	N : 10 V : 0		
2	Half brick walls in beamfilling	m2	364
	A : 0 B : 60 C : 36 D : 36		
	E : 23 F : 31 G : 24 H : 25		
	J : 42 K : 17 L : 12 M : 58		
	N : 0 V : 0		
3	One brick walls	m2	15 944
	A : 3719 B : 2132 C : 1649 D : 1478		
	E : 1045 F : 1101 G : 1057 H : 1045		
	J : 941 K : 209 L : 251 M : 1256		
	N : 60 V : 0		
4	Ditto, but circular on plan	m2	533
	A : 513 B : 0 C : 6 D : 0		
	E : 0 F : 0 G : 0 H : 8		
	J : 6 K : 0 L : 0 M : 0		
	N : 0 V : 0		
5	One brick walls in beamfilling	m2	557
	A : 0 B : 92 C : 55 D : 55		
	E : 36 F : 47 G : 37 H : 38		
	J : 65 K : 26 L : 19 M : 88		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

R

Brickwork of clay bricks in 3:1 cement mortar in loadbearing walls, etc

6	One brick walls	m2	8 832		
	A : 2689 B : 887 C : 534 D : 563				
	E : 238 F : 324 G : 244 H : 689				
	J : 331 K : 504 L : 401 M : 1168				
	N : 265 V : -3				
7	330mm Cavity walls formed of two half brick skins and 110mm cavity including wire ties every 5th course	m2	1 197		
	A : 0 B : 264 C : 31 D : 79				
	E : 218 F : 104 G : 128 H : 145				
	J : 227 K : 0 L : 0 M : 0				
	N : 0 V : 0				
8	Ditto, but circular on plan	m2	204		
	A : 113 B : 0 C : 91 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
9	440mm brick walls	m2	89		
	A : 73 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 16				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				

BRICKWORK SUNDRIES

10	Splayed mortar fillet one course high in 115mm cavity of cavity wall	m	477		
	A : 0 B : 71 C : 12 D : 7				
	E : 87 F : 61 G : 70 H : 80				
	J : 90 K : 0 L : 0 M : 0				
	N : 0 V : 0				
11	Splayed mortar fillet 115mm wide x 85mm high to form window sill	m	787		
	A : 196 B : 87 C : 68 D : 54				
	E : 60 F : 48 G : 41 H : 57				
	J : 44 K : 2 L : 17 M : 101				
	N : 12 V : 0				

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

12	Closing 110mm cavity of cavity wall vertically with brickwork one brick wide	m	396
	A : 0 B : 75 C : 7 D : 4		
	E : 90 F : 49 G : 49 H : 58		
	J : 64 K : 0 L : 0 M : 0		
	N : 0 V : 0		
13	Closing 110mm cavity of hollow wall horizontally with two courses of brickwork	m	477
	A : 0 B : 71 C : 12 D : 7		
	E : 87 F : 61 G : 70 H : 80		
	J : 90 K : 0 L : 0 M : 0		
	N : 0 V : 0		
14	Closing 110mm cavity of hollow wall at raking top with two courses of brickwork	m	453
	A : 0 B : 85 C : 10 D : 24		
	E : 84 F : 44 G : 53 H : 61		
	J : 91 K : 0 L : 0 M : 0		
	N : 0 V : 0		
15	Closing 110mm cavity of hollow wall at raking top with two courses of brickwork (circular on plan)	m	38
	A : 21 B : 0 C : 17 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
16	Trim corner bead trim. Fixed strictly as per manufacturers specification	m	3 251
	A : 943 B : 485 C : 267 D : 284		
	E : 125 F : 181 G : 169 H : 271		
	J : 183 K : 0 L : 33 M : 264		
	N : 45 V : 0		
17	Ditto, but circular on plan.	m	46
	A : 36 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 10		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
18	Extra over brickwork to form 2000mm diameter bullseye arch in one brick wall, including all support etc	No	4
	A : 3 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

19	Extra over brickwork to form 2000mm diameter bullseye arch in 330mm cavity brick wall, including closing of cavity and including all support etc	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
20	500 x 500 x 30mm Thick non-shrink grout between concrete and underside of base plate	No	21		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 21 V : 0				
	<u>Movement joints, etc</u>				
21	10mm Jointex in vertical joint built in vertically between brick walls not exceeding 300mm wide	m	3 598		
	A : 863 B : 648 C : 285 D : 352				
	E : 230 F : 229 G : 211 H : 223				
	J : 181 K : 0 L : 84 M : 290				
	N : 0 V : 0				
	<u>Slip joints between horizontal brick surfaces including two layers of three-ply malthoid on bearing surfaces</u>				
22	Slip joint not exceeding 300mm wide	m	189		
	A : 35 B : 11 C : 21 D : 25				
	E : 17 F : 17 G : 18 H : 17				
	J : 16 K : 0 L : 2 M : 10				
	N : 0 V : 0				
	<u>0.58mm Galvanised plate installed between slip joints</u>				
23	220mm Wide Galvanised plate	m	189		
	A : 35 B : 11 C : 21 D : 25				
	E : 17 F : 17 G : 18 H : 17				
	J : 16 K : 0 L : 2 M : 10				
	N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

Brick reinforcement

24	13mm Chicken wire mesh in patches, fixed to brickwork	m2	1 153		
	A : 293 B : 150 C : 96 D : 92				
	E : 73 F : 73 G : 64 H : 86				
	J : 60 K : 5 L : 26 M : 121				
	N : 14 V : 0				
25	75mm Wide reinforcement built in horizontally	m	36 167		
	A : 7166 B : 8160 C : 2499 D : 1654				
	E : 3396 F : 1981 G : 2498 H : 2779				
	J : 3449 K : 0 L : 355 M : 2168				
	N : 63 V : 0				
26	150mm Wide reinforcement built in horizontally	m	148 002		
	A : 43300 B : 15102 C : 12843 D : 11888				
	E : 7516 F : 7864 G : 7040 H : 10993				
	J : 7946 K : 3551 L : 3499 M : 13352				
	N : 1948 V : 1163				
27	6mm Diameter high tensile rod reinforcement in first course below window opening	kg	1 332		
	A : 375 B : 160 C : 113 D : 102				
	E : 77 F : 83 G : 73 H : 100				
	J : 76 K : 3 L : 24 M : 130				
	N : 15 V : 0				
28	10mm Diameter high tensile rod reinforcement in first course above window opening	kg	576		
	A : 0 B : 41 C : 68 D : 80				
	E : 58 F : 58 G : 98 H : 104				
	J : 69 K : 0 L : 0 M : 0				
	N : 0 V : 0				
	<u>Prestressed concrete lintels</u>				
29	115mm Wide lintels in lengths not exceeding 3m	m	8 471		
	A : 2260 B : 1001 C : 686 D : 656				
	E : 540 F : 556 G : 501 H : 682				
	J : 525 K : 52 L : 160 M : 771				
	N : 76 V : 5				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

30	115mm Wide lintels in lengths exceeding 3m and not exceeding 4,5m	m	512	
	A : 23 B : 54 C : 74 D : 61			
	E : 51 F : 32 G : 13 H : 57			
	J : 99 K : 0 L : 0 M : 18			
	N : 29 V : 0			
31	115mm Wide lintels in lengths exceeding 4,5m and not exceeding 6m	m	586	
	A : 347 B : 115 C : 16 D : 30			
	E : 60 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 18			
	N : 0 V : 0			
	<u>Galvanized hoop iron cramps, ties, etc</u>			
32	1.6 x 32 x 400mm long Galvanised hoop irons ties fixed to concrete and built into brickwork	No	5 815	
	A : 2924 B : 486 C : 320 D : 140			
	E : 243 F : 170 G : 270 H : 444			
	J : 129 K : 151 L : 172 M : 0			
	N : 0 V : 366			
33	1.6 x 32 x 800mm long Galvanised hoop irons ties both ends built into brickwork	No	10 250	
	A : 2478 B : 1888 C : 800 D : 992			
	E : 648 F : 644 G : 590 H : 624			
	J : 506 K : 0 L : 244 M : 836			
	N : 0 V : 0			
34	1.6 x 32 x 1350mm long Galvanised hoop irons ties both ends built into brickwork	No	1 624	
	A : 464 B : 198 C : 158 D : 142			
	E : 62 F : 88 G : 70 H : 100			
	J : 54 K : 4 L : 42 M : 218			
	N : 24 V : 0			
	<u>Turning pieces</u>			
35	115mm Wide turning piece to lintels etc	m	43	
	A : 0 B : 11 C : 18 D : 12			
	E : 0 F : 0 G : 0 H : 2			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

36	150mm Wide turning piece to lintels etc	m	112
	A : 0 B : 0 C : 0 D : 10		
	E : 16 F : 16 G : 26 H : 26		
	J : 19 K : 0 L : 0 M : 0		
	N : 0 V : 0		

FIBRE CEMENT WINDOW SILLS

Sloping sills in single lengths bedded in class II mortar including metal fixing lugs at 400mm centres, minimum of 75mm from end of window sill etc

37	15 x 150mm Window sill	m	1 657
	A : 512 B : 185 C : 155 D : 111		
	E : 91 F : 95 G : 81 H : 126		
	J : 125 K : 4 L : 18 M : 130		
	N : 24 V : 0		

FACE BRICKWORK

Face brick, size 222 x 106 x 73mm, manufactured in accordance with 227:2007 (PC Amount of R7,500.00 per thousand bricks delivered to site, excluding VAT) pointed with recessed horizontal and vertical joints

38	Extra over brickwork for face brickwork	m2	2 076
	A : 10 B : 567 C : 386 D : 296		
	E : 163 F : 211 G : 211 H : 189		
	J : 42 K : 0 L : 0 M : 0		
	N : 0 V : 0		

39	Extra over brickwork for face brickwork, circular on plan to not exceeding 2m radius.	m2	91
	A : 91 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

Brick-on-edge header course copings, sills, etc of face bricks pointed with recessed joints on all exposed faces

40	Brick on edge header course lintel 220mm wide pointed on face and 115mm soffit	m	43
	A : 0 B : 11 C : 18 D : 12		
	E : 0 F : 0 G : 0 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
41	Brick on edge header course lintel 330mm wide pointed on face and 150mm soffit	m	112
	A : 0 B : 0 C : 0 D : 10		
	E : 16 F : 16 G : 26 H : 26		
	J : 19 K : 0 L : 0 M : 0		
	N : 0 V : 0		
42	Brick on edge header course window sill 220mm wide, set weathered and slightly projecting, including pointing on top, front and projecting soffit including raking cutting of brickwork underneath.	m	155
	A : 0 B : 11 C : 18 D : 22		
	E : 16 F : 16 G : 26 H : 28		
	J : 19 K : 0 L : 0 M : 0		
	N : 0 V : 0		

BLOCKWORK

Standard concrete block in class 6:1 cement mortar, pointed with flush recessed horizontal and vertical joints (H34)

43	140 x 390 x 190mm Full block	m2	247
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 247		
44	140 x 390 x 190mm Breeze block	m2	157
	A : 8 B : 5 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 6 K : 0 L : 10 M : 51		
	N : 0 V : 77		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 3

Masonry

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

201
202
203
204
205
206
207
208
209
210

Carried Forward to Summary of Section No. 3

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 3
Masonry

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>NEW HOSPITAL</u>			
	<u>BILL NO 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 120 for JBCC CPAP purposes			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron black embossed polyethylene damp-proof course, with 200mm overlap at end laps & corners.</u>			
1	In walls	m2	2 397	
	A : 458 B : 286 C : 178 D : 202			
	E : 154 F : 153 G : 135 H : 154			
	J : 157 K : 113 L : 94 M : 238			
	N : 51 V : 22			
2	Under sills, around windows, etc.	m2	639	
	A : 159 B : 75 C : 51 D : 36			
	E : 51 F : 46 G : 44 H : 60			
	J : 63 K : 1 L : 6 M : 40			
	N : 7 V : 0			
	Carried to Collection			
	Section No. 3			
	SECTION 3 - NEW HOSPITAL			
	Bill No. 4			
	Waterproofing			
			R	

One layer of 250 micron green polyethylene waterproof sheeting sealed at laps with PVC self adhesive tape

3	Under surface beds	m2	17 110
	A : 4494 B : 2172 C : 1292 D : 1346		
	E : 956 F : 936 G : 803 H : 992		
	J : 804 K : 563 L : 301 M : 2057		
	N : 78 V : 316		

4	Vertically in walls	m2	2 136
	A : 376 B : 269 C : 112 D : 119		
	E : 79 F : 79 G : 96 H : 126		
	J : 79 K : 373 L : 41 M : 242		
	N : 14 V : 130		

WATERPROOFING TO FLAT ROOFS

Hybrid, eco-friendly. Multi-purpose. Waterproofing. is a cold-applied, one-component waterborne liquid applied waterproofing membrane, highly elastic and UV-resistant. (H349)

5	On flat roofs to falls	m2	5 989
	A : 2354 B : 648 C : 541 D : 571		
	E : 434 F : 210 G : 247 H : 673		
	J : 227 K : 0 L : 14 M : 71		
	N : 0 V : 0		

6	Vertically to concrete beams	m2	630
	A : 246 B : 68 C : 44 D : 43		
	E : 37 F : 25 G : 34 H : 80		
	J : 34 K : 0 L : 3 M : 15		
	N : 0 V : 0		

7	Ditto, but circular on plan	m2	36
	A : 34 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

8	Horizontally to top of concrete beams	m2	592
	A : 125 B : 30 C : 89 D : 36		
	E : 47 F : 17 G : 19 H : 107		
	J : 67 K : 9 L : 19 M : 27		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 4
Waterproofing

R

9	Ditto, but circular on plan A : 13 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 8 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	m2	21	
10	50mm Triangular fillet A : 1069 B : 295 C : 192 D : 185 E : 163 F : 110 G : 148 H : 347 J : 150 K : 0 L : 15 M : 65 N : 0 V : 0	m	2 739	
11	Ditto, but circular on plan A : 147 B : 10 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	m	156	
12	Additional membrane 300mm girth at internal and external angles A : 2432 B : 609 C : 384 D : 371 E : 326 F : 220 G : 295 H : 695 J : 300 K : 0 L : 30 M : 130 N : 0 V : 0	m	5 792	
13	Additional membrane 300mm girth at internal and external angles circular on plan A : 293 B : 20 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	m	313	
14	Dressing and sealing into 110mm internal diameter fullbore outlet, including additional membrane A : 61 B : 25 C : 20 D : 18 E : 12 F : 7 G : 3 H : 7 J : 11 K : 3 L : 2 M : 4 N : 6 V : 0	No	179	
<u>Flood tests and guarantees</u>				
15	Allow for carrying out flood test to all areas		Item	
16	Provide 10 year guarantee in accordance to manufacturer's specification effective from Date of Practical Completion		Item	
Carried to Collection				
Section No. 3				
SECTION 3 - NEW HOSPITAL				
Bill No. 4				
Waterproofing				

R

Prime all surfaces to be waterproofed with primer for all primer for all Bituminous systems, including all verges and around outlets and protrusions, then allow the solvent to flash off. Extremely porous surfaces should be re-primed.

Apply a 300mm wide gusset strip 3mm thick centrally at all floor screed and wall junctions. Dress all full-bore outlets with a single layer of 3mm thick plastomeric hydro insulating membrane. Seal the entire full-bore outlet with Rubberised Bitumen Emulsion Reinforced. Apply a single layer of High quality plastomeric hydro insulating membrane Mineral, reinforced with 180g/m² non-woven polyester membrane, weighing 4.5kg/m². Fully bond the membrane, by heat fusion, onto the primed area. Side laps of 75mm shall be carefully sealed by heat fusion, allowing a small bead of molten Bitumen to become visible at the exposed edge of the sheet. Seal these edges with a roller while the Bitumen is still in a molten state. (H13)

17	On flat roofs to falls	m2	743
	A : 104 B : 136 C : 63 D : 7		
	E : 54 F : 22 G : 32 H : 10		
	J : 89 K : 65 L : 90 M : 0		
	N : 70 V : 0		
18	Vertically to concrete beams	m2	142
	A : 26 B : 18 C : 9 D : 4		
	E : 12 F : 4 G : 8 H : 3		
	J : 19 K : 10 L : 9 M : 0		
	N : 19 V : 0		
19	Ditto, but circular on plan	m2	6
	A : 1 B : 5 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
20	Horizontally to top of concrete beams	m2	6
	A : 0 B : 6 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 4
Waterproofing

R

21	50mm Triangular fillet	m	616	
	A : 113 B : 79 C : 40 D : 18			
	E : 52 F : 19 G : 35 H : 13			
	J : 83 K : 45 L : 37 M : 0			
	N : 81 V : 0			
22	Ditto, but circular on plan	m	26	
	A : 6 B : 20 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
23	Additional membrane 300mm girth at internal and external angles	m	1 285	
	A : 238 B : 199 C : 80 D : 37			
	E : 104 F : 38 G : 70 H : 26			
	J : 166 K : 91 L : 74 M : 0			
	N : 162 V : 0			
24	Additional membrane 300mm girth at internal and external angles circular on plan	m	53	
	A : 12 B : 41 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
	<u>Flood tests and guarantees</u>			
25	Allow for carrying out flood test to all areas		Item	
26	Provide 10 year guarantee in accordance to manufacturer's specification effective from Date of Practical Completion		Item	

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 4
Waterproofing

Apply two coats of Primer wet-on-wet to achieve 300 microns (3,3m² per litre total coverage), using a rubber squeegee. Do not backroll the primer. If blow holes or voids are detected in the primer, they should be skimmed level with Quickset Structural Adhesive. Using a 3,0mm notched rake, evenly apply elastomeric system at a spread rate of 1m² / litre to achieve a dry film thickness of 1000 microns. Wearing spiked shoes, spike the material with spiked rollers for a period not exceeding 20 minutes to increase the flow, level and de-aerate the product. Allow to cure for 3 – 6 hours at 25°C. Ensure overcoating within 24 hours at 25°C. Should the maximum over-coating interval be exceeded, wipe the surface with a cloth saturated with Thinner #76 immediately before next coat application (note the surface must be slightly tacky), to ensure good inter-coat adhesion. Ensure the elastomeric system is dry and free of contaminants immediately prior to applying next coats. Using a Sheepskin roller apply elastomeric system at a spread rate of 3.3 m² / litre to achieve a film thickness of 0.3mm. Broadcast fine aggregate into wet surface to rejection. Allow to cure for 2 – 4 hours at 25°C. After cure de-nib sand to remove all loosely bound particles using a trowel or by lightly grinding. Remove excess sand by sweeping and vacuuming. Should the maximum over-coating interval be exceeded, wipe the surface with a cloth saturated with Thinner #76 immediately before next coat application, to ensure good inter-coat adhesion. Pre-approve sample panel, Colour to Architects' approval. All in accordance with the manufacturer's recommendations. (H272)

27	On flat roofs to falls	m2	69
	A : 0 B : 69 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

PROTECTIVE ROOFING PAINT

Two coats bituminous aluminium paint

28	On waterproofing to roofs including turn-ups and turn-downs	m2	8 234
	A : 2903 B : 982 C : 746 D : 661		
	E : 584 F : 279 G : 340 H : 880		
	J : 437 K : 85 L : 134 M : 113		
	N : 89 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 4
Waterproofing

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 4

Waterproofing

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

212

213

214

215

216

217

Carried Forward to Summary of Section No. 3

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 4

Waterproofing

PROFILED METAL SHEETING AND ACCESSORIES

Concealed Fix Zinc coating 0,58mm thick 700mm cover profile spelter top coat (Non-standard colour to Architect's approval) and backing coat (Non-standard colour to Architect's approval) galvanised steel roof sheeting, fixed to steel intermediate purlins at max 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.16 x 16mm long self-drilling wafer head screws, No. 3 drill point fasteners or fixed to timber intermediate purlins at 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.11 x 45mm long self-drilling wafer head screws, type 17 drill point fasteners, all in accordance with the manufacturer's specifications. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer. (H1)

1	Roof sheeting with pitch not exceeding 25 degrees, fixed to steel purlins	m2	14 471
	A : 2952 B : 1816 C : 999 D : 1200		
	E : 662 F : 948 G : 746 H : 1039		
	J : 723 K : 334 L : 282 M : 2046		
	N : 691 V : 32		
2	Side cladding, fixed to steel purlins	m2	374
	A : 374 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
3	Extra over roof sheeting to form bull nose of 450mm radius.	m	64
	A : 64 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 5
Roof Coverings etc

R

0,8mm Thick zinc / aluminium colour coated finish - Ultra steel AZ200 spelter G550 top coat (Non standard colour to Architect's approval) and backing coat (Non standard colour to Architect's approval), fixed to steel purlins (measured elsewhere) by approved brackets all in strict accordance with manufacturer's specification. Colours and type to Architect's approval

- 4 Apex flashing (purpose made) girth 310mm, three times bent along girth and notched on site to suit roof profile. Complete with metal and poly closers (See **Drawing TYP-042-005** attached to the back of these bills of quantities)

A : 92	B : 168	C : 73	D : 40
E : 21	F : 30	G : 24	H : 24
J : 40	K : 0	L : 0	M : 0
N : 88	V : 8		

m 609

0,53mm Thick zinc / aluminium colour coated finish - Ultra steel AZ200 spelter G550 top coat (Non standard colour to Architect's approval) and backing coat (Non standard colour to Architect's approval), fixed to steel purlins (measured elsewhere) by approved brackets all in strict accordance with manufacturer's specification. Colours and type to Architect's approval (H2, H3, H4, H5, H6)

- 5 External corner flashing 616mm girth, three times bent along girth and notched on site to suit roof profile. Complete with metal and poly closers

A : 12	B : 0	C : 0	D : 0
E : 0	F : 0	G : 0	H : 0
J : 0	K : 0	L : 0	M : 0
N : 0	V : 0		

m 12

- 6 Ridge capping girth 550mm, three times bent along girth and notched on site to suit profile. Complete with metal and poly closers

A : 91	B : 0	C : 0	D : 14
E : 20	F : 20	G : 17	H : 52
J : 26	K : 26	L : 22	M : 112
N : 0	V : 0		

m 400

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 5
Roof Coverings etc

7	Barge flashing girth 550mm, three times bent along girth and notched on site to suit roof profile. Complete with metal and poly closers	m	953
	A : 199 B : 157 C : 71 D : 67		
	E : 23 F : 32 G : 24 H : 40		
	J : 57 K : 50 L : 34 M : 160		
	N : 39 V : 0		
8	Drip flashing girth 231mm three times bent along girth and notched on site to suit roof profile. Complete with metal and poly closers	m	102
	A : 102 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
9	Head wall flashing girth 375mm, two times bent along girth and notched on site to suit roof profile. Complete with metal and poly closers	m	49
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 49		
	N : 0 V : 0		
10	Side wall flashing girth 408mm, two times bent along girth, Counter flashing 185mm girth, two times bent along girth. Complete with metal and poly closers	m	25
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 21		
	N : 0 V : 4		
11	Valley gutter flashing girth 610mm seven times bent along girth and notched on site to suit profile. Complete with metal and poly closers	m	39
	A : 0 B : 39 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 5
Roof Coverings etc

12	Hip capping 550mm girth three times bent along girth and notched on site to suit profile. Complete with metal and poly closers	m	211		
	A : 41 B : 0 C : 0 D : 33				
	E : 24 F : 31 G : 31 H : 31				
	J : 19 K : 0 L : 0 M : 0				
	N : 0 V : 0				
	<u>2mm Thick steel flashings over movement joints</u>				
13	Galvanised steel flashing 650mm girth, three times bent along length, plugged to both sides to concrete or brickwork	m	174		
	A : 17 B : 9 C : 7 D : 35				
	E : 17 F : 13 G : 27 H : 21				
	J : 27 K : 0 L : 0 M : 0				
	N : 0 V : 0				
	<u>2mm Thick aluminium flashings over beams and parapet walls</u>				
14	20 x 80mm Aluminium angle plugged and fixed to concrete with structural silicone (See <u>Drawing 042-010</u> attached to the back of these bills of quantities)	m	1 387		
	A : 452 B : 97 C : 153 D : 89				
	E : 84 F : 39 G : 39 H : 190				
	J : 136 K : 41 L : 27 M : 40				
	N : 0 V : 0				
15	Ditto, but circular on plan	m	50		
	A : 38 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 11				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 5
Roof Coverings etc

RAINWATER DISPOSAL

Pre-coated aluminium seamless gutter, size 150 x 100 x 0,6mm thick in colour including matching rivet fixed mitres and end caps internally sealed using Silicon , hung by bolt fixed external aluminium hangers at 600mm centres with rectangular fluted downpipes, size 100mm diameter x 0,6mm thick in colour fixed to walls with pre-painted downpipe cleats using nail-in anchor fixings. Install strictly to manufacturer's specifications. Colours (Non standard) to Architect's approval. (H104)

16	150 x 100mm Eaves gutters to falls, with front edge, on and including gutter brackets fixed to steel roofs	m	281
	A : 160 B : 15 C : 28 D : 0		
	E : 0 F : 0 G : 0 H : 70		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 8		
17	Extra over eaves gutter for outlet with nozzle for 100 x 75mm pipe	No	36
	A : 16 B : 3 C : 5 D : 0		
	E : 0 F : 0 G : 0 H : 8		
	J : 0 K : 0 L : 0 M : 0		
	N : 2 V : 2		
18	Extra over 150 x 100mm eaves gutter for stopped end	No	12
	A : 4 B : 2 C : 2 D : 0		
	E : 0 F : 0 G : 0 H : 4		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
19	100 x 75 mm Rainwater downpipes, fixed to walls with pre-painted downpipe cleats using nail-in anchor fixings	m	266
	A : 125 B : 23 C : 39 D : 0		
	E : 0 F : 0 G : 0 H : 62		
	J : 0 K : 0 L : 0 M : 0		
	N : 8 V : 8		
20	Extra for eaves offset, 100mm projection	No	36
	A : 16 B : 3 C : 5 D : 0		
	E : 0 F : 0 G : 0 H : 8		
	J : 0 K : 0 L : 0 M : 0		
	N : 2 V : 2		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 5
Roof Coverings etc

21	Extra over for shoe	No	36
	A : 16 B : 3 C : 5 D : 0 E : 0 F : 0 G : 0 H : 8 J : 0 K : 0 L : 0 M : 0 N : 2 V : 2		
	<u>ROOF AND WALL INSULATION</u>		
	<u>40mm Thick high density 32kg/m³ closed cell Polyisocyanurate insulation formed of 1220 x 40mm thick sheets colour White with facing, fixed concurrent with roof covering over purlins with "H" bar joiners screw fixed at 1200mm centres with 5mm gap between boards butt-joined over purlins. Installed strictly to manufacturer's specifications, complete with SABISA certificate. (D66)</u>		
22	Insulation laid over purlins fixed concurrent with roof covering	m2	14 471
	A : 2952 B : 1816 C : 999 D : 1200 E : 662 F : 948 G : 746 H : 1039 J : 723 K : 334 L : 282 M : 2046 N : 691 V : 32		
23	Insulation laid vertical over cladding rails fixed concurrent with side cladding	m2	374
	A : 374 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
	<u>SKYLIGHTS</u>		
24	Skylights size 3735 x 2110mm installed complete to drawing and to manufactures specification (See <u>Drawing A042-003</u> attached to the back of these bills of quantities) (H73)	No	3
	A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		

Carried to Collection

R

Section No. 3
 SECTION 3 - NEW HOSPITAL
 Bill No. 5
 Roof Coverings etc

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 5

Roof Coverings etc

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

219

220

221

222

223

224

225

Carried Forward to Summary of Section No. 3

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 5

Roof Coverings etc

The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screws sunk and pelleted

Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing

Descriptions of floors, ceilings, joinery, etc shall be deemed to include for all square cutting

Descriptions of items given in lineal metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc

Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc shall be deemed to include for angles, ends, etc

Timber

All softwood to be South African Pine

NOTE: The following items shall be deemed to fall into Work Group No 126 for JBCC CPAP purposes

EAVES, VERGES, ETC

Pressed fibre cement

1	12 x 140mm Fascia board fixed to wall (elsewhere) with wall plugs at maximum 500mm centres butt jointed with and including standard fascia jointing plates at all joints	m	1 790
	A : 0 B : 0 C : 210 D : 212 E : 138 F : 180 G : 143 H : 144 J : 249 K : 101 L : 72 M : 340 N : 0 V : 0		
2	15 x 225mm Fascia board bolted to steel purlins (elsewhere) with corrosion proof gutter bolts at maximum 1000mm centres butt jointed with and including standard fascia jointing plates at all joints	m	1 651
	A : 279 B : 104 C : 73 D : 116 E : 96 F : 115 G : 101 H : 171 J : 119 K : 52 L : 43 M : 273 N : 107 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

DOORS, ETC

40mm Semi-solid core flush panel door with masonite finish both sides with hardwood concealed edge strip fitted with lock block to one edge

3	Single Door size 686 x 1870mm high A : 13 B : 6 C : 4 D : 2 E : 2 F : 2 G : 2 H : 2 J : 4 K : 0 L : 0 M : 3 N : 0 V : 0	No	40
4	Single Door size 813 x 1882mm high A : 31 B : 4 C : 13 D : 18 E : 4 F : 7 G : 7 H : 7 J : 1 K : 0 L : 4 M : 10 N : 0 V : 0	No	106
5	Single Door size 813 x 2032mm high A : 74 B : 35 C : 16 D : 15 E : 9 F : 7 G : 7 H : 10 J : 6 K : 0 L : 2 M : 26 N : 3 V : 0	No	210
6	Single Door size 813 x 2032mm high and including one 250 x 450mm opening for viewing panel (glass elsewhere) fitted with 12 x 12mm glazing beads on both sides A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 4 N : 0 V : 0	No	4
7	Single Door size 813 x 2032mm high and including one 450 x 450mm high opening for ventilation louvre (measured elsewhere) A : 15 B : 14 C : 2 D : 7 E : 2 F : 4 G : 3 H : 3 J : 2 K : 0 L : 0 M : 0 N : 0 V : 0	No	52
8	Single Door size 956 x 1882mm high A : 0 B : 0 C : 0 D : 0 E : 3 F : 10 G : 8 H : 8 J : 4 K : 0 L : 0 M : 0 N : 0 V : 0	No	33

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

9	Single Door size 956 x 2032mm high A : 33 B : 30 C : 8 D : 7 E : 12 F : 9 G : 8 H : 8 J : 9 K : 0 L : 0 M : 1 N : 0 V : 0	No	125
10	Single Door size 956 x 2032mm high and including one 450 x 450mm high opening for ventilation louvre (measured elsewhere) A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3
11	Single Door size 956 x 2032mm high and including one 250 x 450mm opening for viewing panel (glass elsewhere) fitted with 12 x 12mm glazing beads on both sides A : 0 B : 0 C : 0 D : 2 E : 1 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0	No	7
12	Sliding Door size 900 x 2125mm A : 4 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	4
13	Sliding Door size 1100 x 2125mm A : 0 B : 0 C : 1 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
14	Sliding Door size 1200 x 2125mm A : 0 B : 2 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2
15	Sliding Door size 1564 x 2125mm A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3
Carried to Collection			
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 6 Carpentry & Joinery			

R

16	Double Door size 1226 x 1882mm high with two unequal leaves, size approximately 413mm and 813mm wide respectively A : 0 B : 6 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	6
17	Double Door size 1226 x 2032mm high with two unequal leaves, size approximately 413mm and 813mm wide respectively A : 6 B : 0 C : 8 D : 3 E : 4 F : 3 G : 2 H : 2 J : 2 K : 0 L : 0 M : 0 N : 0 V : 0	No	30
18	Double Door size 1226 x 2032mm high with two unequal leaves, size approximately 413mm and 813mm wide respectively and including one 250 x 450mm opening for viewing panel (glass elsewhere) fitted with 12 x 12mm glazing beads on both sides A : 0 B : 0 C : 6 D : 8 E : 1 F : 9 G : 8 H : 8 J : 5 K : 0 L : 0 M : 1 N : 0 V : 0	No	46
19	Double Door size 1511 x 1870mm high with two equal leaves A : 5 B : 3 C : 3 D : 2 E : 2 F : 1 G : 2 H : 2 J : 1 K : 0 L : 0 M : 2 N : 0 V : 0	No	23
20	Double Door size 1588 x 2032mm high with two equal leaves A : 9 B : 4 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 3 N : 0 V : 0	No	17
21	Double Door size 1588 x 2032mm high with two equal leaves and each leaf including 250 x 450mm opening for viewing panel (glass elsewhere) fitted with 12 x 12mm glazing beads on both sides A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 8 J : 0 K : 0 L : 0 M : 6 N : 0 V : 0	No	16

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

	<u>40mm Solid core flush panel door with masonite finish both sides with hardwood concealed edge strip fitted with lock block to one edge</u>				
22	Single Door size 813 x 2032mm high A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0 <u>Solid Hardwood</u> <u>Framed, ledged and braced batten door, size 900 x 2032 mm high formed of 44 x 110 mm top rail and stiles, 22 x 150 mm middle ledge and braces and 22 x 225 mm bottom rail, filled in with 22 mm vertical tongue and groove planking and flush to the other side</u>	No	1		
23	40mm Door 813 x 2032mm high A : 1 B : 1 C : 1 D : 1 E : 0 F : 0 G : 0 H : 0 J : 1 K : 0 L : 10 M : 3 N : 0 V : 0	No	18		
24	40mm Double door 1588 x 2032mm high in two leaves A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 3 M : 1 N : 0 V : 0	No	5		
25	40mm Double door 1788 x 2032mm high in two leaves A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 1 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0 <u>"Bitcon Industries" lead lined X ray type doors with 2mm thick lead lining and epoxy powder coated steel sheet finish both sides , standard non rebated 1,6mm thick pressed steel frames with lead lining for one brick walls</u>	No	1		
26	44mm Door 813 x 2032mm high A : 4 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	4		
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 6 Carpentry & Joinery					

27	44mm Sliding Door 2100 x 2125mm high A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0 <u>Class B Pyropanel fire doors with 3,6mm treated commercial ply on both sides including intumescent strip to top of door and with concealed edge strips all round including 1.6mm pressed steel frames suitable for one brick walls and preparing frame for door closer and lock</u>	No	2
28	48mm Door 813 x 2032mm high with 120 minute fire rating A : 8 B : 2 C : 3 D : 1 E : 1 F : 1 G : 1 H : 2 J : 1 K : 0 L : 4 M : 0 N : 1 V : 0	No	25
29	48mm Double door 1226 x 2032mm high with two unequal leaves, size approximately 450mm and 850mm wide respectively with 120 minute fire rating A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
30	48mm Double door 1788 x 2032mm high with two equal leaves with 120 minute fire rating A : 4 B : 1 C : 2 D : 2 E : 1 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 1 N : 0 V : 0 <u>SKIRTINGS</u> <u>Hardwood skirting (B4)</u>	No	15
31	19 x 75mm Skirting plugged A : 706 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	m	706

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

32	Ditto, but circular on plan	m	5
	A : 5 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
PANELLING			
<u>Lunawood Thermowood interior cladding consisting of A: 42 x 42mm B: 26 x 92mm C: 19 x 92mm cladding strips fixed to 42 x 42mm Lunawood fixing strip</u>			
33	3280 x 2950mm High Lunawood cladding including all fixing to walls, etc (See <u>Drawing HDG-A-043-004</u> attached to the back of these bills of quantities)	m2	10
	A : 10 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
34	3830 x 3800mm High Lunawood cladding including all fixing to walls, etc (See <u>Drawing HDG-A-043-003</u> attached to the back of these bills of quantities)	m2	15
	A : 15 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
35	4460 x 7344mm High Lunawood cladding including all fixing to walls, etc (See <u>Drawing HDG-A-043-002</u> attached to the back of these bills of quantities)	m2	33
	A : 33 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

COUNTERS, CUPBOARD AND WORK TOPS

NOTE: The following counters and cupboards have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, etc Tops have been measured separately unless otherwise described)

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

NOTE: All work tops shall be sealed against walls, around basins, sinks, etc with an approved type non-fungal sustaining clear silicone sealant

General carcass material specification

Unless otherwise specified, carcass construction of furniture components to be bison board V313 moisture resistant particle board in accordance with SANS EN 312:1997 or Supawood medium density fibreboard (MDF) SANS 540-1:1991, melamine surfaced to both faces bisonlam melamine faced board in accordance with SANS 1763:1998, finish in minimum 2mm thickness pvc edging

General door material specification

Unless otherwise specified door and drawer frontals to be form bisonbord V313 high moisture resistant particle board in accordance with SANS EN 312:1997 or Supawood medium density fibreboard (MDF) SANS 540-1:1991 surface in 0.8mm formica high pressure laminate (HPL) in accordance with SANS ISO 4586:1995 CL grade white liner to inner faces

General worktop material specification

Unless otherwise specified all worktops fitted to walls of fitted to cupboards and cabinets to be form bisonbord v 313 high moisture resistant particle board in accordance with SANS EN 312-5:1997 moisture resistant particle board with profiled edges, Surface in formica high pressure laminate in accordance with SANS ISO 4586:1995 to upper faces and with formica high pressure laminate in accordance with SANS ISO 4586:1995 brown backer balancer to reversed faces. All worktops butting up against walls to be edged in formica high pressure laminate in accordance with SANS ISO 4586:1995 and exposed edges finished in minimum 3mm pvc edging to required widths. All worktops against tiles to receive coved tile trims (genesis flexi-bead pvc coat sfb 061/01) butting up against worktop and tile surfaces.

Worktops fitted independently to walls generally fixed by means of mild steel wall cleats and support brackets with powder coated finished wall cleat and support brackets.

Colour of worktops: PG Bison C-Choice range

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

General counter top material specification

Unless otherwise specified counter tops forming part of workstations and counters to be from Surinno solid surfacing material incorporating down stands profiled edges and up stands to design exhibiting seamless jointing. Apply onto supawood medium density fibre board in accordance with SANS 540-1:1991 support structures

General vanity top material specification

Unless otherwise specified vanity tops to be from Surinno solid surfacing material incorporate down stands profiled edges fitted up stands and cut-outs for moulded Surinno bowls and basins to design exhibiting seamless jointing. Apply onto supawood medium density fibreboard in accordance with SANS 540-1:1991 support structures. Vanity tops fitted independently to walls generally fixed by means of mild steel wall cleats and support brackets with powder coated finish. Support brackets to be fitted at centres not exceeding 500mm.

Wall cupboards - fixing to walls

Cupboard suspended from walls to be back mounted by means of cupboard suspension fittings fitted to cupboard side panels. Cupboards resting on floors to be screw and plugged, mounted to rear walls through cupboard top and bottom rear bearers fitted behind melamatched - 3mm Supawood colour matched to Melawood in-fill panels

Colour of cupboards:PG Bison D-Design range

Skirting finishing to floors

Cupboards with skirting finished to front and side of components to be installed to prevent water sea page. Cupboard base structure front panel from bisonbord V 313 high moisture resistant particle board in accordance with SANS EN 312-5:1997 to be embedded in a bed of silicone solution. Mounting of 0.8mm thick Formica high pressure laminate in accordance with SANS ISO 4586:1995 horizontal general purpose standard skirt panel to be silicone fitted to base structure behind.

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

Product Standards

- 1: FORMICA HPL (High Pressure Laminate) in accordance with SANS ISO 4586:1995
- 2: FORMICA Solid Core HPL (High Pressure Laminate) in accordance with SANS ISO 4586:1995
- 3: FORMICA Solid Core HPL - Writing Surface (White Writing Surface and Green Chalkboard) in accordance with CKS 36:2004 and SANS ISO 4586:1995
- 4: DECCON CPL (Continuous Pressed Laminate) in accordance with SANS 1762:1998
- 5: MELAWOOD MFB (MELAMINE Faced Board) in accordance with SANS 1763:1998
- 6: BISONLAM MFB (MELAMINE Faced Board) in accordance with SANS 1763:1998
- 7: SUPALAM MFB (MELAMINE Faced Board) in accordance with SANS 1763:1998
- 8: BISONBORD Particleboard in accordance with SANS EN 312-3:1996
- 9: Bisonbord V 313 (High Moisture Resistant) Particleboard in accordance with SANS EN 312-5:1997
- 10: SUPAWOOD MDF (Medium Density Fibreboard) in accordance with SANS 540-1:1991
- 11: Door / drawer postformed 900 profile on two long edges and finished in a minimum 2mm thick PVC edging (colour as per Colour Schedule) on two short edges
- 12: FORMICA Life Seal worktop wit 32mm Bisonbord HMR substrate, 0.8mm FORMICA HPL - HG/P surface and 0.8mm FORMICA HPL - BK brown backer

Product Types

- A - Horizontal General Purpose / Standard - HG/S
- B - Horizontal General Purpose / Postform - HG/P
- C - Vertical General Purpose / Standard - VG/S
- D - Vertical General Purpose / Postform - VG/P
- E - Cabinet Liner - CL
- F - Brown Backer - BK

Sample furniture

Architect may call upon sample furniture in order to evaluate quality and construction methods of joinery work.

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

Door hinges

To be boss type hinges for side panel mounting, including trim cups. Install minimum 2 hinges per leaf up to 1000mm high and maximum 600mm spacing for hinges on doors higher than 1000mm.

Grass type:

Twist Lock - Code 218835 - 4903/165 degrees
 Backing Plate - Code 310765 - 4,3 / 6,5 Cross Plate
 Euro Screws - Code 483545 - 6 x 13 - 1 pair

Drawer runners

To be full metal sided and rear - full retractable with 16mm Supalam melamine faced board in accordance with SANS 1763:1998 (colour:white) drawer bases

Metalbox type

Full extension (white)

Reference Sides 500mm deep x 150mm high

Reference Rear 150mm high 565.75.745

Sliding tray runners

To be full extension type, side mounted, soft roller

Hafele type

Length 350mm, extension length 375mm

Reference: 420.76.362

Door locks (All doors and drawers to be lockable - keyed alike per room with Master key per Department)

To be from Cyberlock, short bolt travel left or right (Finish : Nickel Plates)

SDT/GRASS REF: Rim Lock Nickle 22mm (Mastered)
 7CL601-22-N

MOUNTING SCREWS: 746190 - 6x19 screws

Pigeon hole door locks

Pigeon hole special locks to be suitable for use of padlocks.

Hafele Type

Level lock, zinc alloy, polished chrome, with left or right hand locking travel

Reference A-right 235.61.200

Reference B-Left 236.61.201

Carried to Collection

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 6

Carpentry & Joinery

R

Drawer locks (Linked to Master Key System)

Drawers to be locked in series of four in height, with face fitting Cyberlock Central Locking system for recessing in the cabinet side panel

SDT/GRASS REF: 700mm Central Locking System/Nickle (4 Drawer) 7CL603-700-N

MOUNTING SCREWS: 197480 - Zargen Locking Bracket 749160 - 6x16 Screws

Carcass Connectors

For factory machined ready to assemble purpose

Blum Type	Knock-down	
	Reference	42/070

Shelf supports

For factory machined ready to assemble purposes

Blum Type

Nylon Housing	Ref	40.4001
Nylon Cover Cap	Ref	41.5400
Finishing Screw	Ref	636.1050
Mylon Bush	Ref	41.1100

Cupboard door catches

Buchel Type	Elbow catch (rooster)
	Reference B1566

Door stops

Hafele Type	Press fit White
	Reference 356.20.725

Worktop connectors

Hafele Type

Suitable for 32mm built-up Formica tops Minimum three per 45° full joints

Reference 262.96.211
Used in conjunction with Lamello joint pieces

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

Broomstick holders

For four holders per broom cupboard

Hafele Type

Reference 520.10.009

Distribution Cupboards - Pressure Catches

Type Hafele - automatic spring catch to each door

Reference 245.54.701

Cabinet suspension fittings

Hafele Type

Reference Left-290.01.701

Reference Right-290.02.700

Suspension rail

Reference 290.02.900

Handles (To all doors and drawers)

Hafele Type

Reference 129.57.701 (Colour as per Colour
Schedule)

Ventilation grilles (To all CPU cupboards)

Six ventilation grills - finish plastic, chrome plated.

Hafele Type

Reference 571.54.220

Wardrobe rail (full length of cupboard hang space)

Length x 25mm Nickel plated polished wardrobe rail.

Hafele Type

Reference 801.11.741

Two rail end support per rail Nickel plated.

Hafele Type

Reference 803.51.757

FLOOR CUPBOARDS

36 450 x 560 x 880mm High floor cupboard complete (See
Drawing 045-CUPF001 attached to the back of these
bills of quantities)

No

8

A : 2	B : 3	C : 1	D : 1
E : 0	F : 0	G : 0	H : 0
J : 1	K : 0	L : 0	M : 0
N : 0	V : 0		

Carried to Collection

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 6

Carpentry & Joinery

R

37	450 x 560 x 880mm High floor cupboard complete (See Drawing 045-CUPF001A attached to the back of these bills of quantities)	No	2
	A : 0 B : 1 C : 1 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
38	300 x 560 x 880mm High floor cupboard complete (See Drawing 045-CUPF002 attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
39	450 x 550 x 880mm High floor drawer cupboard complete (See Drawing 045-CUPF003 attached to the back of these bills of quantities)	No	54
	A : 10 B : 13 C : 3 D : 6 E : 4 F : 4 G : 3 H : 3 J : 4 K : 0 L : 1 M : 3 N : 0 V : 0		
40	900 x 560 x 880mm High floor cupboard complete (See Drawing 045-CUPF004 attached to the back of these bills of quantities)	No	105
	A : 28 B : 19 C : 11 D : 17 E : 15 F : 2 G : 3 H : 3 J : 3 K : 0 L : 0 M : 4 N : 0 V : 0		
41	1000 x 560 x 880mm High floor cupboard complete (See Drawing 045-CUPF005 attached to the back of these bills of quantities)	No	53
	A : 3 B : 14 C : 9 D : 3 E : 3 F : 5 G : 4 H : 4 J : 5 K : 0 L : 1 M : 2 N : 0 V : 0		
42	900 x 900 x 880mm High corner floor cupboard complete (See Drawing 045-CUPF006 attached to the back of these bills of quantities)	No	5
	A : 0 B : 5 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

43	450 x 600 x 2040mm High broom cupboard (left hand) complete (See Drawing 045-CUPF007 attached to the back of these bills of quantities)	No	6
	A : 1 B : 0 C : 1 D : 1 E : 0 F : 1 G : 1 H : 1 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
44	450 x 600 x 2040mm High broom cupboard (right hand) complete (See Drawing 045-CUPF007A attached to the back of these bills of quantities)	No	6
	A : 1 B : 1 C : 0 D : 0 E : 1 F : 0 G : 0 H : 0 J : 1 K : 0 L : 0 M : 2 N : 0 V : 0		
45	900 x 600 x 2040mm High utility floor cupboard complete (See Drawing 045-CUPF008 attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
46	450mm Urine test floor cupboard complete (See Drawing 045-CUPF011 attached to the back of these bills of quantities)	No	10
	A : 0 B : 5 C : 2 D : 0 E : 1 F : 1 G : 0 H : 0 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0		
47	900 x 600 x 2040mm High linen cupboard complete (See Drawing 045-CUPF012 attached to the back of these bills of quantities)	No	2
	A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
48	450 x 560 x 718mm High counter floor cupboard (left) complete (See Drawing 045-CUPF016 attached to the back of these bills of quantities)	No	61
	A : 7 B : 10 C : 8 D : 8 E : 7 F : 7 G : 3 H : 3 J : 4 K : 0 L : 0 M : 4 N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

49	450 x 560 x 718mm High counter floor cupboard (right) complete (See Drawing 045-CUPF016A attached to the back of these bills of quantities)	No	34
	A : 29 B : 0 C : 1 D : 1 E : 0 F : 1 G : 1 H : 1 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
50	450 x 560 x 718mm High counter floor drawer cupboard complete (See Drawing 045-CUPF022 attached to the back of these bills of quantities)	No	97
	A : 31 B : 14 C : 8 D : 8 E : 6 F : 6 G : 3 H : 3 J : 3 K : 0 L : 0 M : 7 N : 8 V : 0		
51	300 x 550 x 718mm High CPC floor cupboard (left) complete (See Drawing 045-CUPF026 attached to the back of these bills of quantities)	No	5
	A : 0 B : 5 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
52	900 x 560 x 880mm High laboratory floor cupboard on castors complete (See Drawing 045-CUPF065 attached to the back of these bills of quantities)	No	2
	A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
53	800 x 315 x 1505mm High bookcase, 4 tier, 2 door complete (See Drawing 045-CUPF082 attached to the back of these bills of quantities)	No	42
	A : 25 B : 3 C : 3 D : 1 E : 1 F : 1 G : 1 H : 1 J : 1 K : 0 L : 1 M : 4 N : 0 V : 0		
54	1000 x 560 x 880mm High specialist dental drawer unit complete (See Drawing 045-CUPF089 attached to the back of these bills of quantities)	No	10
	A : 0 B : 10 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

WALL CUPBOARDS

55	450 x 300 x 720mm High wall cupboard complete (See <u>Drawing 045-CUPW001</u> attached to the back of these bills of quantities)	No	3
	A : 1 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 1 N : 0 V : 0		
56	900 x 300 x 720mm High wall cupboard complete (See <u>Drawing 045-CUPW003</u> attached to the back of these bills of quantities)	No	54
	A : 7 B : 14 C : 11 D : 4 E : 5 F : 0 G : 3 H : 3 J : 3 K : 0 L : 0 M : 4 N : 0 V : 0		
57	1000 x 300 x 720mm High wall cupboard complete (See <u>Drawing 045-CUPW004</u> attached to the back of these bills of quantities)	No	28
	A : 4 B : 13 C : 0 D : 1 E : 2 F : 2 G : 2 H : 2 J : 2 K : 0 L : 0 M : 0 N : 0 V : 0		
58	450 x 300 x 720mm High glazed door wall cupboard complete (See <u>Drawing 045-CUPW017</u> attached to the back of these bills of quantities)	No	2
	A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
59	450 x 300 x 720mm High wall cupboard (without doors) complete (See <u>Drawing 045-CUPW020</u> attached to the back of these bills of quantities)	No	9
	A : 1 B : 1 C : 1 D : 1 E : 0 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 1 N : 0 V : 0		

Carried to Collection

R

Section No. 3
 SECTION 3 - NEW HOSPITAL
 Bill No. 6
 Carpentry & Joinery

60	300 x 300 x 720mm High wall cupboard (without doors) complete (See Drawing 045-CUPW021 attached to the back of these bills of quantities)	No	2		
	A : 0 B : 0 C : 1 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
61	900 x 300 x 720mm High wall cupboard (without doors) complete (See Drawing 045-CUPW022 attached to the back of these bills of quantities)	No	9		
	A : 0 B : 1 C : 1 D : 2 E : 1 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0				
<u>PIGEON HOLES</u>					
62	750 x 350 x 2040mm High pigeon hole cupboard complete (See Drawing 045-CUPF013 attached to the back of these bills of quantities)	No	28		
	A : 9 B : 2 C : 3 D : 2 E : 2 F : 2 G : 2 H : 2 J : 2 K : 0 L : 0 M : 2 N : 0 V : 0				
63	500 x 710 x 1100mm High pigeon hole cupboard complete (See Drawing 045-CUPF031 attached to the back of these bills of quantities)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
64	500 x 710 x 1750mm High pigeon hole cupboard complete (See Drawing 045-CUPF032 attached to the back of these bills of quantities)	No	3		
	A : 0 B : 3 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 6 Carpentry & Joinery				R	

DESKS

65	1507 x 1827mm Overall size desk complete, floor cupboard measured elsewhere (See <u>Drawing HDG-045-616</u> attached to the back of these bills of quantities)	No	7
	A : 1 B : 5 C : 0 D : 0 E : 0 F : 0 G : 1 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
66	1507 x 1827mm Overall size desk complete, floor cupboard measured elsewhere (See <u>Drawing HDG-045-617</u> attached to the back of these bills of quantities)	No	25
	A : 7 B : 14 C : 1 D : 0 E : 1 F : 0 G : 0 H : 1 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0		

FLOOR CUPBOARD TOPS

Formica Lifeseal worktop with 32mm bisonboard HMR substrate 0.8mm formica HPL - HG/P surface and 0.8mm formica HPL-BK brown backer worktops with 180 degree post-formed front profile, all exposed ends of worktop edged with 3mm pvc edging to full profile and edges butting up against wall, cut-outs to worktops to accommodate for stainless steel sinks to size (sinks measured elsewhere), cut out edges to receive minimum two coats water repellent sealant, standard 100 x 11mm thick pvc worktop skirting adhered to wall with an approved adhesive Colour to architects approval (See Drawing 045-T01-04 attached to the back of these bills of quantities)

67	32mm Post-formed top 600mm wide (Total in no: 87) (TOP001-004, 028-033, 057-060)	m	202
	A : 87 B : 29 C : 22 D : 12 E : 9 F : 8 G : 6 H : 6 J : 3 K : 0 L : 0 M : 20 N : 0 V : 0		

Carried to Collection

Section No. 3
 SECTION 3 - NEW HOSPITAL
 Bill No. 6
 Carpentry & Joinery

R

40mm High resin fitted side and rear splash back to walls and 200mm high down stand to be from 12mm thick solid surface material, incorporate minimum 6mm radius corners in lengths, vanity unit with open ends to incorporate down stand/return to width of top, cut-outs in vanity units to receive under mounted hand washbowls, basins, special bowls, finish all on cut-out edge 8mm radius, vanity units to exhibit seamless joints throughout, vanity units to be laid on minimum 16mm supawood medium density fibreboard in accordance with SANS 540-1:1991, support brackets to front and centre by means of 32 x 32 x 3.2mm mild steel tubing to full length and front and centre, powder coated finish, support brackets not to exceed 500mm centres. Colour to architects approval (See Drawing 045-T09-T12 attached to the back of these bills of quantities)

68	28mm Solid surface top 550mm wide (Total in no: 10)	m	12
	A : 9 B : 0 C : 2 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

40mm High resin fitted splashback with front edge built-up to 30mm high to be from 12mm thick solid surface material incorporating minimum 6mm radius corners on length, solid surfacing material to be laid on minimum 16mm supawood medium density fibreboard in accordance with SANS 540-1:1991 Colour to architects approval (See Drawing 045-T13-T16 attached to the back of these bills of quantities)

69	28mm Solid surface material top 600mm wide (Total in no: 5)	m	12
	A : 0 B : 12 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

	<p><u>Formica Lifeseal worktop with 32mm bisonboard HMR substrate 0.8mm formica HPL - HG/P surface and 0.8mm formica HPL-BK brown backer worktops with 180 degree post-formed bull nose edges to long ends on either side, Colour to architects approval (See Drawing 045-T27 attached to the back of these bills of quantities)</u></p>		
70	<p>32mm Post-formed top 900mm wide (Total in no: 1)</p> <p>A : 0 B : 2 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p> <p><u>100mm High resin fitted side and rear splash back to walls, Formica Lifeseal worktop with 32mm bisonboard HMR substrate 0.8mm formica HPL - HG/P surface and 0.8mm formica HPL-BK brown backer worktops with 180 degree post-formed bull nose edges to long ends on either side, Colour to architects approval (See Drawing 045-T62 attached to the back of these bills of quantities)</u></p>	m	2
71	<p>32mm Post-formed top 900mm wide (Total in no: 6)</p> <p>A : 14 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p> <p><u>Formica Lifeseal worktop with 32mm bisonboard HMR substrate 0.8mm formica HPL - HG/P surface and 0.8mm formica HPL-BK brown backer worktops with squareline front profile, all exposed ends of worktop edged with 3mm pvc edging to full profile and edges butting up against wall, cut-outs to worktops to accommodate for stainless steel sinks to size (sinks measured elsewhere), finish joint with soft fill between sink and worktop . Colour to architects approval (See Drawing 045-T57-T60 attached to the back of these bills of quantities)</u></p>	m	14
72	<p>32mm Post-formed top 600mm wide (Total in no: 75)</p> <p>A : 55 B : 25 C : 9 D : 8</p> <p>E : 8 F : 7 G : 7 H : 4</p> <p>J : 6 K : 0 L : 2 M : 13</p> <p>N : 14 V : 0</p>	m	158
<p>Carried to Collection</p>			
<p>Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 6 Carpentry & Joinery</p>			

WALL FITTED TOPS

Worktops with 200mm downstand constructed from 32mm thick supawood medium density fibreboard in accordance with SANS 540-1:1991, surface in formica high pressure laminate in accordance with SANS ISO 4586:1995 horizontal general purpose postform type 0.8mm thick to upper face incorporating 90 degree post-formed edges in length to down stand bottom edge and down stand return, surface in formica high pressure laminate in accordance with SANS 4586:1995 brown backer 0.8mm thick to rear faces, worktops butting up against walls in short and long ends to be edged in formica high pressure laminate in accordance with SANS ISO 4586:1995 horizontal general purpose postform type 0.8mm thick, worktops with one or two open ends to receive formica high pressure laminate in accordance with SANS ISO 4586:1995 surfaced infill closed ends to worktop width and to height of down stand, worktop and down stand edges edged in 3mm thick pvc edging, support brackets to front and centre by means of 32mm x 32mm x 3.2mm mild steel tubing to full length at front and centre, worktops in addition to be supported by support brackets, support brackets fitted not to exceed 800mm centres, standard 100 x 11mm thick worktop skirting adhered to wall with an approved adhesive, all exposed worktop edges to be sealed against moisture ingress using a minimum two coat water repellent sealant Colour to architects approval (See Drawing 045-T05-T08 attached to the back of these bills of quantities)

73	32mm Post-formed top 550mm wide (Total in no: 6)	m	7
	A : 4 B : 3 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

SUNDRIES

Mild steel brackets

74 Support brackets 520mm long for tops weld to joints,
pre-drilled and countersunk holed for wall and worktop
fixings formed of 32 x 32 x 3.2mm thick mild steel
square tube white power coated (See **Drawing 045-**
S01-S04 attached to the back of these bills of quantities)

No

314

A : 124	B : 56	C : 27	D : 16
E : 14	F : 12	G : 11	H : 8
J : 7	K : 0	L : 2	M : 26
N : 11	V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

NURSES COUNTERS AND RECEPTION COUNTERS

Counter combination consisting of the following:

01 - 12 mm Avonite Surfaces (or similar), applied to a 20mm Supawood Substrate (colours to be defined)

02 - 32mm Supawood Substrate with a 2MM Fenix NTM laminate (or similar). Colour to be defined.

03 - Outer counter vertical decorative face: 5mm Max on Top Advance Pal (or similar) on a 32 mm substrate with a non decorative brown backer on the alternative side (colours to be defined)

04 - Decorative outer panel, with a Max on Top laminate (or similar) applied to 16mm Supawood substrate with a non decorative brown backer on the alternative side. Colour to be defined.

05 - Aluminium sheet skirting panel, bonded with adhesive to 16mm Supawood skirting panel.

P1 - Small partition (P1) consisting of 20mm Varia panel from 3Form-Ergo System, translucent partition made of 40% recyclable material, with decorative inlay or similar. Design inlay to be confirmed. As per detail

P2 - Large partition (P2) consisting of 20mm Varia panel from 3Form-Ergo System, translucent partition made of 40% recyclable material, with decorative inlay or similar. Design inlay to be confirmed. As per detail

75	Counter A-001 complete (See <u>Drawing A045-001, A045-201, A045-202, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
76	Counter A-002 complete (See <u>Drawing A045-002, A045-203, A045-204, 045-410, 045-411, 045-505, 045-506</u> attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

R

77	Counter A-003 complete (See <u>Drawing A045-003, A045-205, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
78	Counter A-004 complete (See <u>Drawing A045-004, A045-206, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
79	Counter A-006 complete (See <u>Drawing A045-006, A045-208, 045-410, 045-411, 045-506</u> attached to the back of these bills of quantities)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
80	Counter A-007 complete (See <u>Drawing A045-007, A045-209, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
81	Counter A-008/A complete (See <u>Drawing A045-008/A, A045-210, 045-410, 045-411, 045-501, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
82	Counter A-008/B complete (See <u>Drawing A045-008/B, A045-211, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 6					
Carpentry & Joinery					

83	Counter A-009 complete (See <u>Drawing A045-009, A045-213, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
84	Counter A-010 complete (See <u>Drawing A045-010, A045-214, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
85	Counter A-011 complete (See <u>Drawing A045-011, A045-215, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
86	Counter A-012 complete (See <u>Drawing A045-012, A045-216, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
87	Counter A-013 complete (See <u>Drawing A045-013, A045-217, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
88	Counter B-001 complete (See <u>Drawing B045-001, B045-201, 045-501</u> attached to the back of these bills of quantities)	No	1
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

89	Counter B-002 complete (See <u>Drawing B045-002, B045-202, 045-410, 045-411, 045-504</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
90	Counter B-003 complete (See <u>Drawing B045-003, B045-203, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
91	Counter B-004 complete (See <u>Drawing B045-004, B045-204, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
92	Counter B-005 complete (See <u>Drawing B045-005, B045-205, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
93	Counter B-006 complete (See <u>Drawing B045-006, B045-206, 045-410, 045-411, 045-501</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
94	Counter B-007 complete (See <u>Drawing B045-007, B045-207, 045-410, 045-411, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 6					
Carpentry & Joinery					

95	Counter C-001 complete (See <u>Drawing C045-001, C045-201, C045-202, 045-410, 045-411, 045-501, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
96	Counter C-002 complete (See <u>Drawing C045-002, C045-203, 045-410, 045-411, 045-501, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
97	Counter C-003 complete (See <u>Drawing C045-003, C045-204, C045-205, 045-410, 045-411, 045-501, 045-505</u> , attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
98	Counter D-001 complete (See <u>Drawing D045-001, D045-201, D045-202, 045-410, 045-411, 045-501, 045-505</u> , attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
99	Counter D-002 complete (See <u>Drawing D045-002, D045-203, 045-410, 045-411, 045-501</u> , attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
100	Counter E-001 complete (See <u>Drawing E045-001, E045-201, E045-202, 045-505</u> , attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 6					
Carpentry & Joinery					

101	Counter E-002 complete (See <u>Drawing E045-002, E045-203, 045-410, 045-411, 045-503</u> , attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 1 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
102	Counter F-001 complete (See <u>Drawing F045-001, F045-201, F045-202, 045-501, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 1 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
103	Counter F-002 complete (See <u>Drawing F045-002, F045-203, 045-501</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 1 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
104	Counter G-001 complete (See <u>Drawing G045-001, G045-201, G045-202, 045-410, 045-411, 045-501, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 1 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
105	Counter H-001 complete (See <u>Drawing H045-001, H045-201, H045-202, 045-410, 045-411, 045-501, 045-505</u> attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 1 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
106	Counter J-001 complete (See <u>Drawing J045-001, J045-201, 045-410, 045-411, 045-501, 045-504</u> , attached to the back of these bills of quantities)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 6 Carpentry & Joinery					

107	Counter J-002 complete (See <u>Drawing J045-002, J045-202, 045-410, 045-411, 045-501</u> , attached to the back of these bills of quantities) A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
108	Counter N-001 complete (See <u>Drawing N045-001, 045-410, 045-411</u> , attached to the back of these bills of quantities) A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 1 V : 0	No	1		
109	Counter N-002 complete (See <u>Drawing N045-002, 045-410, 045-411</u> , attached to the back of these bills of quantities) A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 1 V : 0	No	1		
<u>NURSES CALL AND DIRE PANEL CUPBOARDS</u>					
110	Nurse call and fire panel cupboard F01 complete (See <u>Drawing A045-600</u> attached to the back of these bills of quantities) A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
111	Nurse call and fire panel cupboard F02 complete (See <u>Drawing A045-601</u> attached to the back of these bills of quantities) A : 2 B : 0 C : 0 D : 0 E : 0 F : 1 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3		
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 6 Carpentry & Joinery				R	

112	Nurse call and fire panel cupboard F03 complete (See <u>Drawing A045-602</u> attached to the back of these bills of quantities)	No	5		
	A : 0 B : 0 C : 2 D : 1 E : 1 F : 0 G : 0 H : 1 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
113	Nurse call and fire panel cupboard F04 complete (See <u>Drawing A045-603</u> attached to the back of these bills of quantities)	No	2		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 1 H : 0 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0				
<u>TIMBER SHELVING, ETC</u>					
<u>18mm SupaWood super white shelves</u>					
114	150mm Wide shelving screwed to steel brackets (elsewhere), including 18mm x 2mm PVC impact edging to exposed sides	m	967		
	A : 0 B : 0 C : 119 D : 128 E : 98 F : 97 G : 109 H : 109 J : 109 K : 0 L : 0 M : 198 N : 0 V : 0				
115	350mm Wide shelving screwed to steel brackets (elsewhere), including 18mm x 2mm PVC impact edging to exposed sides	m	24		
	A : 10 B : 2 C : 0 D : 0 E : 4 F : 2 G : 2 H : 2 J : 2 K : 0 L : 0 M : 0 N : 0 V : 0				
116	400mm Wide shelving screwed to steel brackets (elsewhere), including 18mm x 2mm PVC impact edging to exposed sides	m	13		
	A : 0 B : 3 C : 0 D : 4 E : 0 F : 0 G : 2 H : 4 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 6 Carpentry & Joinery				R	

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 6

Carpentry & Joinery

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247

Carried Forward

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 6
Carpentry & Joinery

CEILING INSULATION

50mm Thick non-combustible light weight fibreglass Glasswool thermal ceiling insulation 12kg/m³ closely fitted with ends butted firmly between tie beams and laid loose on top of brandering between roof timbers, all in accordance with manufacturer`s recommendations. (D24)

1	Ceiling insulation	m2	3 341
	A : 1630 B : 338 C : 312 D : 148		
	E : 111 F : 111 G : 90 H : 277		
	J : 104 K : 0 L : 0 M : 193		
	N : 29 V : 0		

NAILED UP CEILINGS

6mm Thick straight edge medium density plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, fixed to 38 x 50mm battens fixed to steel trusses at 600mm centres using 32 x 2,5mm serrated ceiling nails at 150mm centres, minimum of 12mm from edge of board. All joints to be covered using H-profile PVC jointing strips, all in accordance with the manufacturer`s recommendations. (D3)

2	Ceilings	m2	110
	A : 0 B : 0 C : 38 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 72		
	N : 0 V : 0		

3	Vertical ceilings	m2	1
	A : 0 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Gypsum plasterboard cornice

4	75mm Coved cornice fixed to wall and ceiling with approved adhesive	m	118
	A : 0 B : 0 C : 47 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 71		
	N : 0 V : 0		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 7
Ceilings, Partitions & Access Flooring

SUSPENDED PLASTERED GYPSUMBOARD CEILINGS AND BULKHEADS

**9mm Plasterboard including steel brandering
installed at maximum 400mm centres. Fix
Plasterboard using 25mm Drywall Screws at
maximum 150mm centres. All joints shall be
staggered. Apply Fibatope to all joints and cover it
with 2 layers of Jointing Plaster. Complete with
SABISA certificate. (D16)**

5	Ceilings suspended not exceeding 1m below concrete soffits	m2	731
	A : 577 B : 110 C : 9 D : 3 E : 5 F : 0 G : 12 H : 15 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
6	Ceilings suspended exceeding 1m and not exceeding 2m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	175
	A : 80 B : 27 C : 38 D : 21 E : 4 F : 6 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
7	Sloping ceilings suspended exceeding 1m and not exceeding 2m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	121
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 121 N : 0 V : 0		
	<u>Flush plastered bulkheads with 9mm thick tapered edge plasterboard fixed at right angles to 35mm galvanised steel main and cross tees at 300mm centres, using 25mm drywall screws at 150mm centres. All joints to be taped and plastered with Skimming Paster and prepared for decoration. Complete with SABISA certificate. (D15)</u>		
8	Sides of bulkheads, suspending not exceeding 1m below concrete	m2	615
	A : 330 B : 24 C : 22 D : 17 E : 2 F : 12 G : 16 H : 160 J : 15 K : 0 L : 0 M : 0 N : 17 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 7
Ceilings, Partitions & Access Flooring

R

9	Ditto, but circular on plan	m2	280
	A : 265 B : 0 C : 0 D : 2		
	E : 5 F : 3 G : 2 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
10	Sides of bulkheads, suspending exceeding 1m and not exceeding 2m below concrete	m2	134
	A : 37 B : 29 C : 17 D : 20		
	E : 19 F : 5 G : 3 H : 3		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
11	Ditto, but circular on plan	m2	25
	A : 3 B : 0 C : 3 D : 4		
	E : 2 F : 5 G : 4 H : 4		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
12	Soffits of bulkheads, suspending not exceeding 1m below concrete	m2	361
	A : 149 B : 17 C : 17 D : 18		
	E : 19 F : 27 G : 25 H : 66		
	J : 10 K : 0 L : 0 M : 0		
	N : 12 V : 0		
13	Soffits of bulkheads, suspending exceeding 1m and not exceeding 2m below concrete	m2	117
	A : 25 B : 18 C : 14 D : 21		
	E : 17 F : 10 G : 7 H : 6		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
14	Sides of bulkheads, suspending exceeding 1m and not exceeding 2m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	459
	A : 126 B : 64 C : 53 D : 21		
	E : 39 F : 35 G : 27 H : 25		
	J : 47 K : 2 L : 2 M : 13		
	N : 5 V : 0		
15	Ditto, but circular on plan	m2	21
	A : 6 B : 1 C : 13 D : 0		
	E : 1 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 7
Ceilings, Partitions & Access Flooring

16	Sides of bulkheads, suspending exceeding 2m and not exceeding 3m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	61
	A : 13 B : 0 C : 30 D : 8		
	E : 0 F : 0 G : 0 H : 0		
	J : 10 K : 0 L : 0 M : 0		
	N : 0 V : 0		
17	Ditto, but circular on plan	m2	15
	A : 2 B : 2 C : 4 D : 4		
	E : 2 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
18	Soffits of bulkheads, suspending exceeding 1m and not exceeding 2m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	188
	A : 47 B : 55 C : 34 D : 10		
	E : 6 F : 10 G : 0 H : 0		
	J : 25 K : 0 L : 0 M : 0		
	N : 0 V : 0		
19	Soffits of bulkheads, suspending exceeding 2m and not exceeding 3m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	163
	A : 32 B : 13 C : 32 D : 22		
	E : 13 F : 3 G : 8 H : 6		
	J : 16 K : 2 L : 2 M : 7		
	N : 6 V : 0		
20	Circular cutting	m	49
	A : 0 B : 4 C : 42 D : 0		
	E : 4 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
21	Standard metal guard <u>(See Drawings Drawing TYP-044-001 at the back of the Bills of Quantities)</u>	m	2 592
	A : 1203 B : 338 C : 217 D : 127		
	E : 81 F : 96 G : 81 H : 321		
	J : 101 K : 0 L : 0 M : 0		
	N : 28 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 7
Ceilings, Partitions & Access Flooring

22	PVC guard circular on plan <u>(See Drawings Drawing TYP-044-001 at the back of the Bills of Quantities)</u>	m	395		
	A : 222 B : 47 C : 75 D : 16				
	E : 14 F : 8 G : 6 H : 6				
	J : 2 K : 0 L : 0 M : 0				
	N : 0 V : 0				
	<u>Shadowline trim to be pre-painted and sealed with a silicone sealant. (D1)</u>				
23	Shadowline cornice, plugged to walls	m	22 977		
	A : 8213 B : 3276 C : 1899 D : 1692				
	E : 1156 F : 1053 G : 963 H : 2031				
	J : 1263 K : 20 L : 171 M : 977				
	N : 262 V : 0				
24	Ditto, but circular on plan	m	303		
	A : 147 B : 47 C : 52 D : 17				
	E : 19 F : 8 G : 6 H : 6				
	J : 2 K : 0 L : 0 M : 0				
	N : 0 V : 0				
25	Angle fixed to shadowline <u>(See Drawings Drawing TYP-044-011 at the back of the Bills of Quantities)</u>	m	795		
	A : 324 B : 106 C : 0 D : 23				
	E : 5 F : 0 G : 15 H : 255				
	J : 0 K : 0 L : 0 M : 47				
	N : 19 V : 0				
26	Ditto, but circular on plan	m	37		
	A : 37 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
	<u>25 x 25 x 2mm Cold formed angle</u>				
27	Angle hanged from suspension	m	459		
	A : 252 B : 136 C : 15 D : 40				
	E : 2 F : 0 G : 7 H : 7				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 7
Ceilings, Partitions & Access Flooring

28	Ditto, but circular on plan	m	41
	A : 0 B : 41 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
	<u>SUSPENDED CEILINGS</u>		
	<u>Note:</u>		
	Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)		
	<u>Supply and install Calcium Silicate ceiling tiles size 1200 x 600 x 6mm with White vinyl face finish and aluminium foil backing with 55/135mm cavity batt bonded to the back of the tile. (All to comply minimum required total r-value for climatic zones according to sans 10400-xa:2011) laid onto pre-painted white exposed tee grid system including fire safety punch outs. Main tees suspended by means of 19 x 0.5mm GMS strap/ 2.5mm wire hangers at 1200mm centres. Ceiling perimeter to be finished with prepainted shadow trims, installed strictly to manufacturer's specifications. Colour to Architect's approval complete with SABISA certificate. (D1)</u>		
29	Ceilings suspended not exceeding 1m below concrete soffits	m2	6 643
	A : 2286 B : 786 C : 546 D : 345 E : 410 F : 192 G : 715 H : 1031 J : 236 K : 0 L : 39 M : 0 N : 58 V : 0		
30	Ceilings suspended exceeding 1m and not exceeding 2m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)	m2	7 066
	A : 1999 B : 938 C : 687 D : 859 E : 474 F : 676 G : 0 H : 0 J : 465 K : 0 L : 0 M : 969 N : 0 V : 0		

Carried to Collection

R

Section No. 3
 SECTION 3 - NEW HOSPITAL
 Bill No. 7
 Ceilings, Partitions & Access Flooring

31	<p>Ceilings suspended exceeding 2m and not exceeding 3m on average below steel purlins (purlins at approximately 1500mm centres, trusses at 5000mm centres)</p> <p>A : 0 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 59 M : 0</p> <p>N : 0 V : 0</p> <p>NOTE: The following items shall be deemed to fall into Work Group No 138 for JBCC CPAP purposes</p> <p><u>PARTITIONS</u></p> <p>Unless otherwise described, prices for partitions shall be deemed to include for standard flat section aluminium skirting on both sides</p> <p><u>9mm Everite Nutec cladding screwed to steel purlins or rails (measured elsewhere)</u></p>	m2	59	
32	<p>Side cladding</p> <p>A : 0 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 165</p> <p>N : 0 V : 0</p> <p><u>Drywall 63/30 with overall thickness of 89mm comprising internal framing formed of 63mm galvanised steel studs fixed at 600mm centres to galvanised steel top and bottom track with 63mm thick SoundTherm Insulation of partition, including any additional steel studding necessary at door openings, glazed or other apertures, abutments, ends, corners, etc. and covered with 12mm thick plasterboards in single lengths to suit height, butt jointed and secured to studding with 25mm drywall screws at maximum 220mm centres, the joints taped over and flushed over with jointing compound prepared for painting. (C81)</u></p>	m2	165	
33	<p>Partitioning 2805m high with bottom plugged and top track fixed to suspended ceiling</p> <p>A : 229 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	m	229	
Carried to Collection				
<p>Section No. 3</p> <p>SECTION 3 - NEW HOSPITAL</p> <p>Bill No. 7</p> <p>Ceilings, Partitions & Access Flooring</p>				

34	Extra over partition 2805m high for vertical abutment	No	51
	A : 51 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
35	Extra over partition 2805m high for corner	No	18
	A : 18 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
36	Extra over partition 2805m high for T-intersection	No	28
	A : 28 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
37	Extra over partition 2805m high for fair end including natural anodised 'Drywall' aluminium wall channel	No	11
	A : 11 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
38	Partitioning 3400m high with bottom and top track plugged	m	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
39	Extra over partition 3400m high for fair end including natural anodised 'Drywall' aluminium wall channel	No	3
	A : 3 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 7
Ceilings, Partitions & Access Flooring

High Performance Wall System. Fire 30 min Sound Rw 53 dB Skimmed consisting of 1 layer 12.5mm, (non-combustible) fixed to both sides of the framework using board Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. 102mm x 35mm Studs (0.4mm thickness, Rigidised, indexed service holes, Z150 galvanise coating, locally manufactured, recycled content, ISO 9001 & 14001 certification) friction fitted into top and bottom of track 102mm x 25mm at 600mm centres. Floor and head Track fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres. Track 102mm x 50mm shall be used in areas subject to deflection. Install 102mm (locally manufactured, recycled content, ISO 9001 & 14001 certification) into the cavity with joints tightly butted, leaving no gaps. Apply Tape to all joints and internal corners. Install Corner Bead to all external corners. Cover Tape with one layer of Jointing plaster. Skim the surface using one layer of skimming plaster. (C79)

40	Partitioning 2805m high with bottom plugged and top track fixed to suspended ceiling	m	49
	A : 49 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
41	Extra over partition 2805m high for corner	No	20
	A : 20 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 7
Ceilings, Partitions & Access Flooring

R

EXTRA OVER FOR ALUMINIUM DOORS AND SIDELIGHTS IN PARTITIONING

**Polyester powder coated aluminium sidelights and
toplights with 6mm clear safety glass for all panels
complete with screws and bolts installed strictly
according to AAAMSA standards and specifications.**

42	Extra over Drywall partition for aluminium door frame size 813 x 2032mm high with two pairs of 100mm nylon washered aluminium hinges additional studding, trimming, etc. (door and ironmongery elsewhere measured)	No	20
	A : 20 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
43	Extra over Drywall partition for aluminium door frame size 1586 x 2032mm high with two pairs of 100mm nylon washered aluminium hinges additional studding, trimming, etc. (door and ironmongery elsewhere measured)	No	3
	A : 3 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
44	Extra over Drywall partition for aluminium door frame size 813 x 2032mm high with two sidelights 325 x 1250mm high and 2295 x 1250mm high with top light 3519 x 705mm high with two pairs of 100mm nylon washered aluminium hinges additional studding, trimming, etc. (door and ironmongery elsewhere measured) (Block A - Type 53)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 7
Ceilings, Partitions & Access Flooring

R

45	Extra over Drywall partition for aluminium door frame size 813 x 2032mm high with two sidelights 325 x 1760mm high and 1774 x 1760mm high with top light 3000 x 705mm high with two pairs of 100mm nylon washered aluminium hinges additional studding, trimming, etc. (door and ironmongery elsewhere measured) Block A - Type 85)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
46	Sidelight consisting of two sidelights size 450 x 1250mm high and 598 x 1250mm high on both sides of door with top light 1925 x 365mm high (Block A - Type 46)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
47	Sidelight consisting of one sidelight size 1196 x 1250mm high on side of door with top light 2073 x 705mm high (Block A - Type 47)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
48	Sidelight consisting of two sidelights size 4722 x 1250mm high and 325 x 1250mm high on both sides of door with top light 5923 x 705mm high (Block A - Type 48)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
49	Sidelight consisting of one sidelight size 1500 x 1250mm high on side of door with top light 377 x 705mm high (Block A - Type 49)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 7 Ceilings, Partitions & Access Flooring					

50	Sidelight consisting of one sidelight size 1100 x 1250mm high on side of door (Block A - Type 50)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
51	Sidelight consisting of two sidelights size 2127 x 1250mm high and 985 x 1250mm high on both sides of door with top light 3989 x 705mm high (Block A - Type 51)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
52	Sidelight consisting of one sidelight size 1223 x 1250mm high on side of door (Block A - Type 54)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
53	Sidelight consisting of one sidelight size 2592 x 1760mm high on one side of door with top light 3514 x 705mm high (Block A - Type 86)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
54	Sidelight consisting of two sidelights size 350 x 1760mm high and 2244 x 1760mm high on both sides of door with top light 3472 x 705mm high (Block A - Type 87)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
55	Sidelight consisting of one sidelight size 3234 x 1250mm high on one side of door with top light 4157 x 620mm high (Block A - Type 88)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection				R	
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 7					
Ceilings, Partitions & Access Flooring					

56	Sidelight consisting of two sidelights size 350 x 1790mm high and 508 x 1790mm high on both sides of door with top light 1738 x 620mm high (Block A - Type 89)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
57	Sidelight consisting of two sidelights size 350 x 1790mm high and 1089 x 1790mm high on both sides of door with top light 2319 x 620mm high (Block A - Type 90)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
58	Sidelight consisting of two sidelights size 925 x 1250mm high and 1198 x 1250mm high on both sides of door with (Block A - Type 91)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
59	Sidelight consisting of two sidelights size 625 x 1760mm high and 1776 x 1760mm high on both sides of door with top light 3277 x 620mm high (Block A - Type 92)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
60	Sidelight consisting of two sidelights size 300 x 1250mm high and 1824 x 1250mm high on both sides of door (Block A - Type 94)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
61	Sidelight consisting of one sidelight size 1920 x 1760mm high on one side of door with top light 2845 x 705mm high (Block A - Type 97)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 7 Ceilings, Partitions & Access Flooring					

62	<p>Sidelight consisting of one sidelights size 2090 x 995mm high on one side of door (Block B - Type 48)</p> <p>A : 0 B : 2 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p> <p><u>ACCESS FLOORING</u></p> <p><u>Snap-on Stringer access floor system with 600 x 600mm Type 2 steel clad cementitious core panels with factory bonded conductive and anti-static vinyl finish, supported by and including all necessary under structure components as per the manufacturers specification for a finished floor height as indicated above concrete sub-floor (elsewhere specified), all in accordance with SANS 1549:1992. Colour to architects' approval. System to include decorative border integral trim finish, access grommets, air diffusers, perforated panels, electric power boxes, additional bracing, 1mm galvanised mild steel fire barrier and all holes and sealing. (A13)</u></p>	No	2
63	<p>Access floor system</p> <p>A : 26 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 37</p> <p>N : 0 V : 0</p>	m2	63
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 7 Ceilings, Partitions & Access Flooring</p>			

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 7

Ceilings, Partitions & Access Flooring

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

Carried Forward to Summary of Section No. 3

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 7

Ceilings, Partitions & Access Flooring

FLOOR COVERINGS

2mm Thick Polyurethane reinforcement Group T homogeneous and monolayer non-directional multi-flake design vinyl floor sheeting (colour to architects approval), laid in acrylic adhesive spread with a notched trowel on suitably prepared cement screed floors with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible coloured welding rod to provide a smooth, hygienic sealed finish and rolled with 68kg articulated floor roller, all in accordance with manufacturer's recommendations. (A47)

1	Seamless vinyl floor sheets on floors	m2	11 201
	A : 3147 B : 1859 C : 1195 D : 1140		
	E : 795 F : 754 G : 635 H : 1013		
	J : 632 K : 0 L : 15 M : 16		
	N : 0 V : 0		
2	Extra over for waving patterns in different colours including all necessary cutting and welding (Allow for 30% waste factor)	m2	943
	A : 189 B : 156 C : 155 D : 112		
	E : 76 F : 99 G : 52 H : 50		
	J : 56 K : 0 L : 0 M : 0		
	N : 0 V : 0		
3	200mm Wide border x 200mm high turn up against walls (400mm girth), including welding to floor covering (floor covering elsewhere) including all formed internal and external corners	m	7 763
	A : 2152 B : 1571 C : 809 D : 743		
	E : 483 F : 467 G : 411 H : 628		
	J : 457 K : 0 L : 20 M : 21		
	N : 0 V : 0		
4	Ditto, but circular on plan	m	125
	A : 108 B : 0 C : 18 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

2mm Thick heavy duty safety vinyl floor sheeting (colour to architects approval), containing silicon carbide, aluminium oxide granules and coloured quartz through its entire thickness to provide a non-skid surface laid in approved contact adhesive spread with a notched trowel on suitably prepared cement screed floors, with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible coloured welding rod to provide a smooth, hygienic sealed finish and rolled with 68kg articulated floor roller, all in accordance with manufacturer's recommendations. (A12)

5	Seamless vinyl floor sheets on floors	m2	1 535	
	A : 384 B : 87 C : 150 D : 155			
	E : 163 F : 173 G : 133 H : 141			
	J : 98 K : 0 L : 47 M : 3			
	N : 0 V : 0			
6	200mm Wide border x 200mm high turn up against walls (400mm girth), including welding to floor covering (floor covering elsewhere) including all formed internal and external corners	m	2 248	
	A : 538 B : 150 C : 227 D : 241			
	E : 217 F : 239 G : 197 H : 211			
	J : 137 K : 0 L : 85 M : 7			
	N : 0 V : 0			
7	Ditto, but circular on plan	m	15	
	A : 15 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

2mm Thick SD Collection ESD vinyl floor sheeting (colour to architects approval), laid in conductive acrylic adhesive spread with a notched trowel on suitably prepared cement screed with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible coloured welding rod to provide a smooth, hygienic sealed finish and rolled with 68kg articulated floor roller, all in accordance with manufacturer's recommendations. (A20)

8	Seamless vinyl floor sheets on floors	m2	300
	A : 242 B : 4 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 10 K : 0 L : 0 M : 38		
	N : 6 V : 0		

9	200mm Wide border x 200mm high turn up against walls (400mm girth), including welding to floor covering (floor covering elsewhere) including all formed internal and external corners	m	221
	A : 167 B : 7 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 12 K : 0 L : 0 M : 25		
	N : 10 V : 0		

Sundries

10	Circular cutting to vinyl sheeting	m	249
	A : 132 B : 18 C : 65 D : 7		
	E : 0 F : 9 G : 9 H : 9		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

SKIRTINGS, NOSINGS, ETC

Cappings, cove formers, etc (B10, B11, B14, B20)

11	20mm Cove, all in accordance with manufacturer's specifications.	m	10 232
	A : 2856 B : 1729 C : 1036 D : 984		
	E : 701 F : 705 G : 608 H : 839		
	J : 606 K : 0 L : 106 M : 53		
	N : 10 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

R

12	Ditto, but circular on plan	m	140
	A : 122 B : 0 C : 18 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
13	Clip-Top base, glue to wall with an approved adhesive, all in accordance with manufacturer's specifications.	m	7 984
	A : 2318 B : 1579 C : 809 D : 743		
	E : 483 F : 467 G : 411 H : 628		
	J : 469 K : 0 L : 20 M : 46		
	N : 10 V : 0		
14	Ditto, but circular on plan	m	125
	A : 108 B : 0 C : 18 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
15	Clip-Top capping, colour to architects approval, all in accordance with manufacturer's specifications	m	7 984
	A : 2318 B : 1579 C : 809 D : 743		
	E : 483 F : 467 G : 411 H : 628		
	J : 469 K : 0 L : 20 M : 46		
	N : 10 V : 0		
16	Ditto, but circular on plan	m	125
	A : 108 B : 0 C : 18 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
17	Capping strip colour to architects approval, all in accordance with manufacturer's specifications.	m	2 248
	A : 538 B : 150 C : 227 D : 241		
	E : 217 F : 239 G : 197 H : 211		
	J : 137 K : 0 L : 85 M : 7		
	N : 0 V : 0		
18	Ditto, but circular on plan	m	15
	A : 15 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

19	Extra over for taper end piece 150mm long, all in accordance with manufacturer's specifications.	No	2 878		
	A : 800 B : 436 C : 286 D : 282				
	E : 206 F : 216 G : 188 H : 236				
	J : 176 K : 0 L : 36 M : 14				
	N : 2 V : 0				

MOISTURE BARRIER ON FLOORS

Ensure surfaces are free of paint, greases, oils and other contaminants and the pores of the base floor are open and suitably prepared to receive the moisture barrier. Apply an extremely high density, moisture tolerant, chemically enhanced 100% solids epoxy moisture barrier coat that prevents the passage of water vapour and moisture through concrete slabs to be applied as per the manufacturer's instruction in at least 2 coats at 90 degrees to each other (A12, A20, A47)

20	Approved moisture barrier on new screed	m2	13 847		
	A : 4584 B : 1950 C : 1345 D : 1294				
	E : 958 F : 927 G : 769 H : 1154				
	J : 740 K : 0 L : 62 M : 57				
	N : 6 V : 0				

SEALERS

Two coats floor dressing as recommended by the manufacturer of the floor coverings on vinyl flooring (stripping and sealing)

21	On floors	m2	15 110		
	A : 4369 B : 2296 C : 1556 D : 1491				
	E : 1099 F : 1068 G : 890 H : 1321				
	J : 861 K : 0 L : 83 M : 67				
	N : 8 V : 0				

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

R

CARPETS

**500 x 500mm tiles on Back2back modified bitumen
10% recycled content included, laid in accordance
with the code of practice for the installation of
textile floor coverings (SANS 10186). All installed by
an approved installer, with a 10 Year limited
warranty against excessive wear. All install strictly
to manufacturer's specifications on well-prepared
screed. Colour and type to Architect's approval.
(A23)**

22	Carpet on floors	m2	811		
	A : 811 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
	<u>12mm Loop pile entrance mats - light to medium traffic in aluminium sections linked by semi-rigid pvc. Mats to be in recessed floor sump to manufactures specification and to ensure that top of mat be level with finished floor level, all in accordance with the manufacturer's recommendations (DST001)</u>				
23	Matt size 2400 x 2400mm	No	2		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 2 K : 0 L : 0 M : 0				
	N : 0 V : 0				
24	Matt size 3000 x 3200mm	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
25	Matt size 2923 x 4323mm	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

BUMPER RAILS

Wall Guard complete with end caps including reveal and fixings, 50mm aluminium fixing clips, internal PVCu bumper and PVC-u cover. All installed strictly to manufacturers specifications. (BUM019)

26	Bumper rail fixed to wall	m	3 012
	A : 695 B : 582 C : 326 D : 389		
	E : 219 F : 225 G : 204 H : 210		
	J : 148 K : 0 L : 0 M : 14		
	N : 0 V : 0		
27	Ditto, but circular on plan	m	6
	A : 6 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
28	Extra over for stop ends, etc.	No	1 812
	A : 460 B : 322 C : 194 D : 198		
	E : 122 F : 136 G : 128 H : 134		
	J : 102 K : 0 L : 0 M : 16		
	N : 0 V : 0		
29	Extra over for corners	No	151
	A : 35 B : 29 C : 16 D : 19		
	E : 11 F : 11 G : 10 H : 11		
	J : 7 K : 0 L : 0 M : 1		
	N : 0 V : 0		
	<u>Heavy duty black rubber wall guard. Installed to wall with approved adhesive strictly to manufacturers specifications. (BUM023)</u>		
30	Bumper rail fixed to wall	m	77
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 47 M : 30		
	N : 0 V : 0		
31	Extra over for stop ends, etc.	No	22
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 14 M : 8		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

32	Extra over for corners	No	15	
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 9 M : 6 N : 0 V : 0			
	<u>CORNER PROTECTORS, ETC.</u>			
	<u>75 x 75mm High Impact corner guard (90 degree)</u> <u>with bacterial /fungal growth resistant PVC-u.</u> <u>Installed from skirting level to 700/775mm above FF</u> <u>Level (length to suit skirting level). Installed strictly</u> <u>to manufacturers specifications. (BUM034)</u>			
33	Corner protectors	No	376	
	A : 153 B : 84 C : 43 D : 24 E : 13 F : 15 G : 15 H : 16 J : 13 K : 0 L : 0 M : 0 N : 0 V : 0			
	<u>75 x 75mm High Impact corner guard (90 degree)</u> <u>with bacterial /fungal growth resistant PVC-u.</u> <u>Installed from skirting level to 900mm above FF</u> <u>Level (length to suit skirting level). Installed strictly</u> <u>to manufacturers specifications. (BUM033)</u>			
34	Corner protectors	No	136	
	A : 18 B : 20 C : 10 D : 10 E : 0 F : 4 G : 3 H : 6 J : 2 K : 0 L : 4 M : 59 N : 0 V : 0			
	<u>100 x 100mm heavy duty black rubber corner guard.</u> <u>Installed to wall with approved adhesive strictly to</u> <u>manufacturers specifications. (BUM024)</u>			
35	Corner protectors	No	46	
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 11 M : 35 N : 0 V : 0			

Carried to Collection

R

Section No. 3
 SECTION 3 - NEW HOSPITAL
 Bill No. 8
 Floor Coverings Plastic Linings etc

60 x 60mm Flexi-angle corner guard (90 degree with tape) with bacterial /fungal growth resistant PVC-u. Installed from skirting level to 700/775mm above FF Level (length to suit skirting level). Installed strictly to manufacturers specifications. (BUM016)

36	Corner protectors	No	16
	A : 0 B : 7 C : 2 D : 3		
	E : 0 F : 4 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

EXPANSION JOINTS COVERS

Expansion joint cover strip, all in accordance with manufacturer`s specifications. Strip and welding rod colours to Architects approval

37	On floors (See <u>Drawing HDG-TYP-043-004</u> attached to the back of these bills of quantities)	m	2 770
	A : 0 B : 767 C : 419 D : 371		
	E : 335 F : 268 G : 232 H : 220		
	J : 158 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 8

Floor Coverings Plastic Linings etc

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

278
279
280
281
282
283
284
285
286
287

Carried Forward to Summary of Section No. 3

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 8
Floor Coverings Plastic Linings etc

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>NEW HOSPITAL</u>			
	<u>BILL NO 9</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 132 for JBCC CPAP purposes			
	<hr/>			
	<u>IRONMONGERY TO TIMBER DOORS</u>			
	<u>HINGES, BOLTS, ETC</u>			
	<u>"GEZE" or similar approved</u>			
1	150 x 20mm Satin chrome lever flush bolt 120/150, (Code: ESA15001) fixed to surface with matching screws.	No	160	
	A : 28 B : 14 C : 19 D : 16			
	E : 8 F : 14 G : 13 H : 22			
	J : 9 K : 0 L : 3 M : 14			
	N : 0 V : 0			
2	300 x 20mm Satin chrome lever flush bolt 120/300, (Code: ESA30001) fixed to surface with matching screws.	No	160	
	A : 28 B : 14 C : 19 D : 16			
	E : 8 F : 14 G : 13 H : 22			
	J : 9 K : 0 L : 3 M : 14			
	N : 0 V : 0			
3	Dust keep for flush bolt (Code: GZZWDUSTK)	No	170	
	A : 38 B : 14 C : 19 D : 16			
	E : 8 F : 14 G : 13 H : 22			
	J : 9 K : 0 L : 3 M : 14			
	N : 0 V : 0			
	Carried to Collection			R
	Section No. 3			
	SECTION 3 - NEW HOSPITAL			
	Bill No. 9			
	Ironmongery			

CATCHES, CABIN HOOKS, ETC**"GEZE" or similar approved**

4	Stainless Steel adjustable roller latch 661/32 (Code: GE311071)	No	40
	A : 13 B : 6 C : 4 D : 2		
	E : 2 F : 2 G : 2 H : 2		
	J : 4 K : 0 L : 0 M : 3		
	N : 0 V : 0		

LOCKS**"GEZE" or similar approved**

5	76mm Profile cylinder sash lock as (Code: 325/51)	No	327
	A : 84 B : 65 C : 26 D : 22		
	E : 9 F : 17 G : 16 H : 25		
	J : 15 K : 0 L : 13 M : 35		
	N : 0 V : 0		
6	76mm Profile cylinder deadlock as (Code: 342/51)	No	214
	A : 67 B : 20 C : 16 D : 22		
	E : 12 F : 11 G : 15 H : 19		
	J : 11 K : 0 L : 4 M : 15		
	N : 2 V : 0		
7	76mm Profile cylinder deadlock as (Code: 344/51) with 8mm follower	No	55
	A : 8 B : 5 C : 6 D : 5		
	E : 11 F : 8 G : 2 H : 2		
	J : 3 K : 0 L : 2 M : 1		
	N : 2 V : 0		
8	35mm Profile cylinder hook bolt lock as (Code: IG781470350)	No	1
	A : 0 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
9	Rebate conversion set for 76mm lock (Code: 130/81)	No	160
	A : 28 B : 14 C : 19 D : 16		
	E : 8 F : 14 G : 13 H : 22		
	J : 9 K : 0 L : 3 M : 14		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

R

10	60mm Nickel plated non master keyed double cylinder 880/60/78 (SKF).	No	397
	A : 119 B : 68 C : 28 D : 32		
	E : 12 F : 22 G : 20 H : 29		
	J : 20 K : 0 L : 13 M : 34		
	N : 0 V : 0		
11	66mm Nickel plated non master keyed double cylinder 885/66/78 (SKF).	No	44
	A : 14 B : 3 C : 6 D : 3		
	E : 2 F : 2 G : 2 H : 3		
	J : 2 K : 0 L : 4 M : 1		
	N : 2 V : 0		
12	66mm Nickel plated non master keyed double cylinder 892/66/78 (SKF).	No	100
	A : 18 B : 14 C : 8 D : 9		
	E : 7 F : 4 G : 9 H : 12		
	J : 4 K : 0 L : 0 M : 15		
	N : 0 V : 0		
13	66mm Nickel plated non master keyed double cylinder 894/66/78 (SKF).	No	1
	A : 0 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
14	WC indicator turn with mortice lock 195/01, (Code: ESE00202) fixed to surface with matching screws.	No	154
	A : 35 B : 13 C : 14 D : 18		
	E : 8 F : 17 G : 15 H : 15		
	J : 5 K : 0 L : 4 M : 10		
	N : 0 V : 0		
15	WC indicator stainless steel ED908/IND (Code: GEDD9080069) fixed to surface with matching screws.	No	59
	A : 8 B : 1 C : 6 D : 7		
	E : 12 F : 9 G : 3 H : 3		
	J : 5 K : 0 L : 2 M : 1		
	N : 2 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

16	Keyhole profile cylinder escutcheon (Code EDD908/CYL)	No	327		
	A : 114 B : 42 C : 24 D : 31				
	E : 15 F : 16 G : 19 H : 24				
	J : 14 K : 0 L : 8 M : 16				
	N : 4 V : 0				
17	Magnetic door release unit 24Volt, 40kg holding force (Code: AD90001AA)	No	16		
	A : 5 B : 1 C : 2 D : 2				
	E : 1 F : 1 G : 1 H : 1				
	J : 1 K : 0 L : 0 M : 1				
	N : 0 V : 0				
18	Wall mounting brackets for magnetic door release unit (Code: AD90002AA)	No	16		
	A : 5 B : 1 C : 2 D : 2				
	E : 1 F : 1 G : 1 H : 1				
	J : 1 K : 0 L : 0 M : 1				
	N : 0 V : 0				
19	Satin stainless steel flush pull handle 55/69, (Code: EDS429M069) fixed to surface with matching screws.	No	10		
	A : 4 B : 4 C : 2 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
<u>HANDLES</u>					
<u>"GEZE" or similar approved</u>					
20	Stainless steel bolt-through pull handle 111 x 119mm with backplate size 160 x 160 x 1.6mm (Code: 075/160)	No	425		
	A : 113 B : 30 C : 36 D : 47				
	E : 33 F : 38 G : 32 H : 36				
	J : 20 K : 0 L : 10 M : 26				
	N : 4 V : 0				
21	Stainless steel back to back pull handle (Code: JD213/305), size 330 x 305 x 25mm.	No	12		
	A : 4 B : 7 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

22	Daytona 19mm satin stainless steel lever on 165 x 165 x 1.6mm backplate (Code: EDE101DC69)	No	620
	A : 156 B : 128 C : 48 D : 40		
	E : 16 F : 32 G : 30 H : 48		
	J : 28 K : 0 L : 26 M : 68		
	N : 0 V : 0		
23	Brass satin chrome ring flush pull handle 56/76, (Code: EDS50076) fixed to surface with matching screws.	No	63
	A : 18 B : 9 C : 7 D : 4		
	E : 4 F : 3 G : 4 H : 4		
	J : 5 K : 0 L : 0 M : 5		
	N : 0 V : 0		
<u>PUSH PLATES AND KICKING PLATES</u>			
<u>"GEZE" or similar approved</u>			
24	Stainless steel push plate (Code: 79/160), size 160 x 160 x 1.2mm with electrical outline engraving (code: EP15069E/E).	No	26
	A : 6 B : 3 C : 3 D : 2		
	E : 2 F : 1 G : 2 H : 2		
	J : 3 K : 0 L : 0 M : 2		
	N : 0 V : 0		
25	Stainless steel push plate (Code: 79/160), size 160 x 160 x 1.2mm with fire hose reel outline engraving (code: EP15069E/FHR).	No	37
	A : 12 B : 6 C : 4 D : 2		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 0 M : 3		
	N : 0 V : 0		
26	Stainless steel push plate (Code: 79/160), size 160 x 160 x 1.6mm	No	423
	A : 113 B : 28 C : 36 D : 47		
	E : 33 F : 38 G : 32 H : 36		
	J : 20 K : 0 L : 10 M : 26		
	N : 4 V : 0		
27	Stainless steel push plate (Code: 79/300), size 300 x 160 x 1.6mm	No	6
	A : 6 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

DOOR CLOSERS**"GEZE" or similar approved**

28	AZ1503 SR, TS1500 G silver standard guide rail overhead door closer size 4, with necessary mounting brackets, cover caps, etc.	No	177
	A : 44 B : 17 C : 13 D : 19		
	E : 17 F : 14 G : 12 H : 15		
	J : 8 K : 0 L : 2 M : 14		
	N : 2 V : 0		
29	AZ2003 SR, TS2000 G silver standard guide rail overhead door closer with back check size 2 - 5, with necessary mounting brackets, cover caps, etc.	No	9
	A : 9 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
30	AZ3003 SR, TS3000 G silver standard guide rail overhead door closer with back check size 1 - 4, with necessary mounting brackets, cover caps, etc.	No	26
	A : 8 B : 2 C : 3 D : 1		
	E : 1 F : 1 G : 1 H : 2		
	J : 1 K : 0 L : 4 M : 0		
	N : 2 V : 0		
31	AZ4001DA SR, TS4000 P DA silver parallel arm overhead door closer with back check and adjustable delayed action size 1 - 6, with necessary mounting brackets, cover caps, etc..	No	19
	A : 4 B : 10 C : 2 D : 0		
	E : 2 F : 1 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
32	AZ4003DA SR, TS4000 G DA silver standard guide rail overhead door closer with back check and adjustable delayed action size 1 - 6, with necessary mounting brackets, cover caps, etc.	No	28
	A : 9 B : 0 C : 2 D : 5		
	E : 2 F : 2 G : 2 H : 2		
	J : 4 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

33	AZ3035 SR, TS3000 - ISM Silver guide rail overhead door closers with integrated selector in guide rail and lever arms with adjustable closing, force 2 - 5, with necessary mounting brackets, cover caps, etc.	No	17
	A : 6 B : 1 C : 2 D : 2		
	E : 1 F : 1 G : 1 H : 1		
	J : 1 K : 0 L : 0 M : 1		
	N : 0 V : 0		
34	AZ4371 NSO - Boxer double action concealed into door, door closer NSO size 3 - 6, complete with pivot set, with necessary mounting brackets, cover caps, etc.	No	6
	A : 6 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
35	BZ4010SS Pivot set complete with top centre and screw pack stainless steel	No	6
	A : 6 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
<u>SLIDING DOOR TRACKS</u>			
<u>"GEZE" or similar approved</u>			
36	Rollan 80 manual sliding door gear for single door with soft stop for timber door opening 1500mm wide.	No	1
	A : 0 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
37	Perlan 140 manual sliding door gear for single door with soft stop for timber door opening 1200mm wide.	No	2
	A : 0 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
38	Perlan 140 manual sliding door gear for single door with soft stop for timber door opening 2100mm wide.	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

39	<p>ECDrive sliding door operator for single door, with the cover in Powder Coated finish, internal activation by radar and radar outside and fitted with safety lights and rechargeable battery backup for timber door opening 900mm wide.</p> <p>A : 4 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	4	
40	<p>ECDrive sliding door operator for single door, with the cover in Powder Coated finish, internal activation by radar and radar outside and fitted with safety lights and rechargeable battery backup for timber door opening 1500mm wide.</p> <p>A : 3 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	3	
41	<p>Elbow switch for ECDrive (Code: GCB581EW)</p> <p>A : 14 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	14	
42	<p>Lock out switch for ECDrive installed inside theatre (Code: GZZSW171/1)</p> <p>A : 3 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	3	
<p><u>SUNDRIES</u></p> <p><u>"GEZE" or similar approved</u></p>				
43	<p>Stainless steel floor mounted door stop 140/69, (Code: ESC00069) fixed to surface with matching screws.</p> <p>A : 4 B : 0 C : 0 D : 2</p> <p>E : 3 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	9	
<p style="text-align: center;">Carried to Collection</p>				
<p>Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery</p>				
				R

44	Stainless steel wall mounted door stop 141/69, (Code: ESC00969) fixed to surface with matching screws.	No	418
	A : 91 B : 74 C : 38 D : 30		
	E : 10 F : 28 G : 24 H : 42		
	J : 20 K : 0 L : 16 M : 45		
	N : 0 V : 0		
45	Stainless steel hat and coat hook with rubber buffer 154/69, (Code: ESD00169) fixed to surface with matching screws.	No	139
	A : 31 B : 4 C : 13 D : 18		
	E : 7 F : 17 G : 15 H : 15		
	J : 5 K : 0 L : 4 M : 10		
	N : 0 V : 0		
<u>IRONMONGERY TO ALUMINIUM DOORS</u>			
<u>HINGES, BOLTS, ETC</u>			
<u>"GEZE" or similar approved</u>			
46	150 x 20mm satin chrome lever flush bolt 120/150, (Code: ESA15001) fixed to surface with matching screws.	No	71
	A : 17 B : 8 C : 0 D : 10		
	E : 11 F : 3 G : 1 H : 9		
	J : 10 K : 0 L : 0 M : 2		
	N : 0 V : 0		
47	300 x 20mm satin chrome lever flush bolt 120/300, (Code: ESA30001) fixed to surface with matching screws.	No	71
	A : 17 B : 8 C : 0 D : 10		
	E : 11 F : 3 G : 1 H : 9		
	J : 10 K : 0 L : 0 M : 2		
	N : 0 V : 0		
48	Dust keep for flush bolt (Code: GZZWDUSTK)	No	93
	A : 39 B : 8 C : 0 D : 10		
	E : 11 F : 3 G : 1 H : 9		
	J : 10 K : 0 L : 0 M : 2		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

LOCKS**"GEZE" or similar approved**

49	76mm Profile cylinder sash lock as (Code: 625/35)	No	49
	A : 1 B : 12 C : 5 D : 6		
	E : 10 F : 1 G : 0 H : 0		
	J : 3 K : 0 L : 0 M : 6		
	N : 5 V : 0		
50	76mm Profile cylinder deadlock as (Code: 642/35)	No	28
	A : 16 B : 6 C : 0 D : 3		
	E : 1 F : 1 G : 1 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
51	76mm Profile cylinder deadlock as (Code: 662/35)	No	46
	A : 26 B : 1 C : 0 D : 1		
	E : 0 F : 1 G : 0 H : 9		
	J : 8 K : 0 L : 0 M : 0		
	N : 0 V : 0		
52	60mm Nickel plated non master keyed double cylinder 880/60/78 (SKF).	No	95
	A : 27 B : 13 C : 5 D : 7		
	E : 10 F : 2 G : 0 H : 9		
	J : 11 K : 0 L : 0 M : 6		
	N : 5 V : 0		
53	66mm Nickel plated non master keyed double cylinder 885/66/78 (SKF).	No	28
	A : 16 B : 6 C : 0 D : 3		
	E : 1 F : 1 G : 1 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

HANDLES**"GEZE" or similar approved**

54	Daytona 19mm satin stainless steel lever on rose (Code: EDD101C069)	No	36
	A : 2 B : 24 C : 0 D : 4		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 6		
	N : 0 V : 0		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

55	Daytona 19mm satin stainless steel lever on narrowstile rose (Code: EDD101C069)	No	62
	A : 0 B : 0 C : 10 D : 8		
	E : 20 F : 2 G : 0 H : 0		
	J : 6 K : 0 L : 0 M : 6		
	N : 10 V : 0		
56	Stainless steel back to back pull handle (Code: JDC215/350), size 375 x 350 x 25mm.	No	194
	A : 94 B : 20 C : 14 D : 12		
	E : 4 F : 6 G : 4 H : 20		
	J : 20 K : 0 L : 0 M : 0		
	N : 0 V : 0		
57	Satin stainless steel flush pull handle 55/69, (Code: EDS429M069) fixed to surface with matching screws.	No	14
	A : 4 B : 0 C : 0 D : 4		
	E : 4 F : 0 G : 0 H : 0		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		
<u>DOOR CLOSERS</u>			
<u>"GEZE" or similar approved</u>			
58	AZ3034 SR, TS3000 - ISM Silver guide rail overhead door closers with integrated selector in guide rail and lever arms with adjustable closing, force 2 - 5, with necessary mounting brackets, cover caps, etc.	No	29
	A : 16 B : 6 C : 0 D : 4		
	E : 1 F : 1 G : 1 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
59	AZ4371 NSO - Boxer double action concealed into door, door closer NSO size 3 - 6, complete with pivot set, with necessary mounting brackets, cover caps, etc.	No	46
	A : 10 B : 6 C : 14 D : 4		
	E : 2 F : 2 G : 2 H : 2		
	J : 4 K : 0 L : 0 M : 0		
	N : 0 V : 0		
60	BZ4010SS Pivot set complete with top centre and screw pack stainless steel	No	46
	A : 10 B : 6 C : 14 D : 4		
	E : 2 F : 2 G : 2 H : 2		
	J : 4 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

SLIDING DOOR TRACKS**"GEZE" or similar approved**

61	Perlan 140 manual sliding door gear for single door with soft stop for aluminium door opening 1200mm wide.	No	7
	A : 2 B : 0 C : 0 D : 2		
	E : 2 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

SUNDRIES**"GEZE" or similar approved**

62	Stainless steel floor mounted door stop 140/69, (Code: ESC00069) fixed to surface with matching screws.	No	57
	A : 12 B : 12 C : 28 D : 0		
	E : 4 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

IRONMONGERY TO GATES**LOCKS****"GEZE" or similar approved**

63	76mm Profile cylinder deadlock as (Code: 642/35)	No	6
	A : 2 B : 2 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
64	66mm Nickel plated non master keyed double cylinder 892/66/78 (SKF).	No	4
	A : 2 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
65	43mm Nickel plated single cylinder (Code: IG950933108)	No	2
	A : 0 B : 0 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

66	Stainless steel narrow style cylinder escutcheon (Code: GZZW0045)	No	6
	A : 2 B : 2 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
67	Brass mk padlock (Code: 870-60/71)	No	39
	A : 3 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 13 L : 8 M : 15		
	N : 0 V : 0		
	<u>HANDLES</u>		
	<u>"GEZE" or similar approved</u>		
68	Stainless steel back to back pull handle (Code: JD213/305), size 330 x 305 x 25mm.	No	12
	A : 4 B : 4 C : 0 D : 2		
	E : 0 F : 0 G : 0 H : 0		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>BLINDS</u>		
	<u>Manually operated 50mm standard privacy and light control aluminium venetian blinds including 50 x50mm brass cord lock headrail and galvanised tilt mechanism fixed to one side of headrail, including heavy duty universal box brackets complete with matching authentic wood bottom rail, valance, bottom buttons and tassels. Size of blinds to be measured to fit within the window reveal and fixed to underside of lintel. Installed strictly to manufacturer's specification and colour and sample to be pre-approved by Architect (LVR001)</u>		
69	Blind to suite window size 347 x 722mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
70	Blind to suite window size 359 x 718mm high	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

71	Blind to suite window size 408 x 833mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
72	Blind to suite window size 424 x 912mm high	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
73	Blind to suite window size 476 x 1041mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
74	Blind to suite window size 499 x 1098mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
75	Blind to suite window size 516 x 1139mm high	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
76	Blind to suite window size 533 x 1129mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
77	Blind to suite window size 535 x 1133mm high	No	8
	A : 8 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

78	Blind to suite window size 623 x 1340mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
79	Blind to suite window size 628 x 1418mm high A : 11 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	11
80	Blind to suite window size 652 x 1409mm high A : 17 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	17
81	Blind to suite window size 673 x 1458mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
82	Blind to suite window size 713 x 1628mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
83	Blind to suite window size 718 x 359mm high A : 9 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	9
84	Blind to suite window size 722 x 347mm high A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

85	Blind to suite window size 741 x 369mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
86	Blind to suite window size 741 x 1696mm high	No	3
	A : 3 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
87	Blind to suite window size 755 x 374mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
88	Blind to suite window size 763 x 1671mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
89	Blind to suite window size 769 x 1685mm high	No	18
	A : 18 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
90	Blind to suite window size 815 x 385mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
91	Blind to suite window size 833 x 408mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

92	Blind to suite window size 853 x 1974mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
93	Blind to suite window size 856 x 417mm high A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3		
94	Blind to suite window size 862 x 404mm high A : 4 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	4		
95	Blind to suite window size 884 x 413mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
96	Blind to suite window size 931 x 2067mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
97	Blind to suite window size 951 x 2113mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
98	Blind to suite window size 960 x 2238mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery					R

99	Blind to suite window size 963 x 445mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
100	Blind to suite window size 995 x 476mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
101	Blind to suite window size 1003 x 2237mm high	No	11
	A : 11 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
102	Blind to suite window size 1029 x 2297mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
103	Blind to suite window size 1111 x 1111mm high	No	4
	A : 4 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
104	Blind to suite window size 1121 x 2513mm high	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
105	Blind to suite window size 1133 x 535mm high	No	9
	A : 9 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

106	Blind to suite window size 1139 x 516mm high A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3
107	Blind to suite window size 1151 x 542mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
108	Blind to suite window size 1154 x 524mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
109	Blind to suite window size 1160 x 2605mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
110	Blind to suite window size 1168 x 1168mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
111	Blind to suite window size 1236 x 2785mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
112	Blind to suite window size 1238 x 2789mm high A : 4 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	4

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

113	Blind to suite window size 1294 x 603mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
114	Blind to suite window size 1323 x 1323mm high A : 5 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	5
115	Blind to suite window size 1327 x 1327mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
116	Blind to suite window size 1392 x 1403mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
117	Blind to suite window size 1409 x 652mm high A : 11 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	11
118	Blind to suite window size 1413 x 654mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
119	Blind to suite window size 1418 x 628mm high A : 49 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	49

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

120	Blind to suite window size 2493 x 1063mm high A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2
121	Blind to suite window size 2513 x 1121mm high A : 8 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	8
122	Blind to suite window size 2246 x 1007mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
123	Blind to suite window size 2345 x 1003mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
124	Blind to suite window size 2428 x 1036mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
125	Blind to suite window size 2437 x 1040mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
126	Blind to suite window size 2016 x 910mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

127	Blind to suite window size 3297 x 1387mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
128	Blind to suite window size 3337 x 1469mm high A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2
129	Blind to suite window size 3340 x 1472mm high A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2
130	Blind to suite window size 5827 x 2527mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
131	Blind to suite window size 2252 x 965mm high A : 75 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	75
132	Blind to suite window size 1751 x 1751mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
133	Blind to suite window size 1755 x 799mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

134	Blind to suite window size 1869 x 847mm high A : 4 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	4
135	Blind to suite window size 2530 x 1078mm high A : 12 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	12
136	Blind to suite window size 2789 x 1238mm high A : 5 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	5
137	Blind to suite window size 2808 x 1190mm high A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2
138	Blind to suite window size 2974 x 1316mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
139	Blind to suite window size 3232 x 3232mm high A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2
140	Blind to suite window size 3263 x 1374mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

141	Blind to suite window size 1883 x 853mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
142	Blind to suite window size 1938 x 877mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
143	Blind to suite window size 1960 x 1960mm high A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3
144	Blind to suite window size 4115 x 1801mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
145	Blind to suite window size 4169 x 1823mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
146	Blind to suite window size 4637 x 10798mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
147	Blind to suite window size 2016 x 2016mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

148	Blind to suite window size 2223 x 998mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
149	Blind to suite window size 2229 x 956mm high A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2		
150	Blind to suite window size 2237 x 1003mm high A : 8 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	8		
151	Blind to suite window size 1961 x 886mm high A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3		
152	Blind to suite window size 1974 x 853mm high A : 4 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	4		
153	Blind to suite window size 2002 x 904mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
154	Blind to suite window size 1443 x 638mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery					R

155	Blind to suite window size 1626 x 712mm high A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2
156	Blind to suite window size 1666 x 761mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
157	Blind to suite window size 1671 x 763mm high A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	3
158	Blind to suite window size 1673 x 731mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
159	Blind to suite window size 1682 x 768mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1
160	Blind to suite window size 1685 x 769mm high A : 11 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	11
161	Blind to suite window size 1691 x 772mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

162	Blind to suite window size 1696 x 741mm high A : 24 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	24
<u>PUSH PLATES AND KICKING PLATES</u>			
163	1.2mm Stainless steel push plate 165 x 813mm screwed with stainless steel countersunk self tappers and glued to timber door A : 40 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	40
164	1.2mm Stainless steel kick plate 200 x 813mm screwed with stainless steel countersunk self tappers and glued to timber door A : 38 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	38
165	1.2mm Stainless steel kick plate 813 x 966mm screwed with stainless steel countersunk self tappers and glued to timber door A : 10 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	10
166	1.6mm Stainless steel push plate 165 x 413mm screwed with stainless steel countersunk self tappers and glued to timber door A : 6 B : 6 C : 8 D : 1 E : 4 F : 3 G : 2 H : 2 J : 2 K : 0 L : 0 M : 0 N : 0 V : 0	No	34
167	1.6mm Stainless steel push plate 165 x 418mm screwed with stainless steel countersunk self tappers and glued to timber door A : 0 B : 0 C : 6 D : 8 E : 1 F : 9 G : 8 H : 8 J : 5 K : 0 L : 0 M : 0 N : 0 V : 0	No	45

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

168	1.6mm Stainless steel push plate 165 x 686mm screwed with stainless steel countersunk self tappers and glued to timber door	No	40
	A : 10 B : 6 C : 4 D : 2		
	E : 8 F : 2 G : 2 H : 2		
	J : 4 K : 0 L : 0 M : 0		
	N : 0 V : 0		
169	1.6mm Stainless steel push plate 165 x 756mm screwed with stainless steel countersunk self tappers and glued to timber door	No	34
	A : 2 B : 6 C : 6 D : 4		
	E : 4 F : 2 G : 4 H : 4		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		
170	1.6mm Stainless steel push plate 165 x 793mm screwed with stainless steel countersunk self tappers and glued to timber door	No	30
	A : 14 B : 8 C : 0 D : 2		
	E : 6 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
171	1.6mm Stainless steel push plate 165 x 813mm screwed with stainless steel countersunk self tappers and glued to timber door	No	270
	A : 58 B : 40 C : 33 D : 27		
	E : 20 F : 26 G : 22 H : 25		
	J : 19 K : 0 L : 0 M : 0		
	N : 0 V : 0		
172	1.6mm Stainless steel kick plate 200 x 413mm screwed with stainless steel countersunk self tappers and glued to timber door	No	34
	A : 6 B : 6 C : 8 D : 1		
	E : 4 F : 3 G : 2 H : 2		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		
173	1.6mm Stainless steel kick plate 200 x 418mm screwed with stainless steel countersunk self tappers and glued to timber door	No	45
	A : 0 B : 0 C : 6 D : 8		
	E : 1 F : 9 G : 8 H : 8		
	J : 5 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

CURTAIN TRACKS, DRIP RAIL, ETC

Cubicle bedscreen rails formed of natural anodised extruded profile formed to accommodate bed closures complete with 12 runners per metre, end stops, spacers and wall mountings. Fixed direct to ceiling including timber supports of 50 x 38mm pine, with and including bedscreen curtains standard height, manufactured in a poly-cotton/nylon non-iron non-stain fully washable material at a ratio of 1:25 to length of rail. (TRA001-060)

178	Hospital cubicle curtain track including gliders, hangers, brackets, bedscreen curtain, etc	m	1 687
	A : 227 B : 121 C : 201 D : 232		
	E : 175 F : 234 G : 199 H : 195		
	J : 102 K : 0 L : 0 M : 0		
	N : 0 V : 0		
179	Extra for end plugged	No	494
	A : 50 B : 35 C : 63 D : 70		
	E : 49 F : 66 G : 64 H : 65		
	J : 32 K : 0 L : 0 M : 0		
	N : 0 V : 0		
180	Extra for stop end	No	82
	A : 8 B : 6 C : 10 D : 12		
	E : 8 F : 11 G : 11 H : 11		
	J : 5 K : 0 L : 0 M : 0		
	N : 0 V : 0		
181	Extra for 90° bend	No	439
	A : 54 B : 24 C : 57 D : 63		
	E : 45 F : 60 G : 54 H : 55		
	J : 27 K : 0 L : 0 M : 0		
	N : 0 V : 0		
182	Extra for 45° bend	No	32
	A : 3 B : 7 C : 1 D : 7		
	E : 5 F : 3 G : 2 H : 3		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
183	Extra for joint at bend	No	471
	A : 57 B : 31 C : 58 D : 70		
	E : 50 F : 63 G : 56 H : 58		
	J : 28 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

R

Hospi-Slick Drip Rails CODE: H/S/DRI-3 Natural anodised (10 micron) extruded profile H/S/2897 formed in straight lengths from 1m-3m, including stop ends. Fixed direct to ceiling including timber supports 50x50x38- SA Pine.

184	Drip rail	No	267
	A : 32 B : 7 C : 34 D : 53		
	E : 37 F : 31 G : 29 H : 29		
	J : 15 K : 0 L : 0 M : 0		
	N : 0 V : 0		

BATHROOM FITTINGS

185	0,8mm Thick satin finished stainless steel paper towel dispenser, size 275 x 112 x 355mm high with a capacity of 500-800 towels, inspection windows on the side and standard key, plugged and screwed to the wall with stainless steel screws. (SAN006/006A)	No	370
	A : 62 B : 65 C : 28 D : 38		
	E : 37 F : 33 G : 29 H : 29		
	J : 27 K : 0 L : 7 M : 13		
	N : 2 V : 0		

186	0,8mm Thick satin finished stainless steel waste bin, size 355 x 168 x 460mm high with capacity of 23 litres and cylinder lock and standard key, plugged and screwed to the wall with stainless steel screws. (SAN007)	No	375
	A : 71 B : 60 C : 29 D : 38		
	E : 37 F : 33 G : 29 H : 29		
	J : 27 K : 0 L : 7 M : 13		
	N : 2 V : 0		

187	0,8mm thick satin finished stainless steel sanitary towel disposal bin, size 200 x 295 x 165mm, plugged and screwed to the wall with stainless steel screws. (SAN120)	No	137
	A : 33 B : 11 C : 14 D : 16		
	E : 13 F : 12 G : 11 H : 11		
	J : 6 K : 0 L : 4 M : 4		
	N : 2 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

R

188	0,8mm Thick satin finished stainless steel foam dispenser for wall mounting, cylinder lock with standard key with inspection windows on sides, suitable for foam soap, plugged and screwed to the wall with stainless steel screws. (SAN040)	No	376
	A : 70 B : 65 C : 29 D : 37		
	E : 37 F : 32 G : 29 H : 29		
	J : 26 K : 0 L : 7 M : 13		
	N : 2 V : 0		
189	0,8mm Thick satin finished stainless steel double toilet roll holder with spindle system, size 144 x 138 x 301mm high for 2 rolls maximum 120mm diameter with cylinder lock with standard key, plugged and screwed to the wall with stainless steel screws. (SAN018/018A)	No	136
	A : 28 B : 12 C : 15 D : 16		
	E : 13 F : 11 G : 11 H : 11		
	J : 6 K : 0 L : 5 M : 6		
	N : 2 V : 0		
190	Satin finished stainless steel soap tray, size 195 x 96 x 77mm high, with a deep drawn rib tray with holes, plugged and screwed to the wall with stainless steel screws. (SAN038/038A)	No	68
	A : 49 B : 0 C : 8 D : 1		
	E : 3 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 2 M : 5		
	N : 0 V : 0		
191	Hand Sanitiser 1,2mm thick satin finished stainless steel elbow operated hand sanitiser dispenser, size 258.9 x 69.4 x 290.7mm high, plugged and screwed to the wall with stainless steel screws.	No	8
	A : 8 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
192	Satin finished stainless steel 32mm diameter fold down paraplegic grab rail with fine grip, size 249 x 850 x 100mm deep, plugged and screwed to the wall with stainless steel screws. (SAN108)	No	109
	A : 11 B : 6 C : 12 D : 10		
	E : 15 F : 16 G : 14 H : 14		
	J : 9 K : 0 L : 2 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

193	Polished stainless steel double towel rail, size 900 x 125mm deep, plugged and screwed to the wall with stainless steel screws. (SAN115)	No	51
	A : 1 B : 0 C : 6 D : 7		
	E : 7 F : 9 G : 8 H : 8		
	J : 5 K : 0 L : 0 M : 0		
	N : 0 V : 0		
194	800mm Long x 150mm projecting straight standard stainless steel disabled rail. Installed strictly to manufacturers specifications. (SAN019, SAN042/042A)	No	96
	A : 15 B : 7 C : 12 D : 13		
	E : 9 F : 11 G : 10 H : 10		
	J : 5 K : 0 L : 2 M : 2		
	N : 0 V : 0		
195	300 x 300 x 300 x 80mm Projecting standard stainless steel dog leg side rail. Installed strictly to manufacturers specifications. (SAN021/021A/021B/021C, SAN023/023A)	No	154
	A : 16 B : 7 C : 21 D : 21		
	E : 19 F : 20 G : 18 H : 18		
	J : 10 K : 0 L : 2 M : 2		
	N : 0 V : 0		
196	Anodised towel rail set (complete) size 450mm long with natural finish. (SAN103)	No	1
	A : 0 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
197	Standard fold-up perforated shower seat with PPA coating (200 micron) 500mm long installed to wall with patented rawl bolts. Installed strictly to manufacturers specifications. (San 011/011A)	No	61
	A : 7 B : 0 C : 9 D : 8		
	E : 7 F : 9 G : 8 H : 8		
	J : 5 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

198	<p>Polypropylene surface mounted horizontal baby changing station size 894mm wide x 565mm high x 589mm deep, installed strictly to manufacturers specifications (BAB001)</p> <p>A : 1 B : 2 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p> <p><u>SUNDRIES</u></p> <p><u>Hat and coat hooks</u></p>	No	3		
199	<p>500mm Long aluminium multi rack complete with x4 hooks, installed strictly to manufacturers specifications, plugged (HK001/HK001A)</p> <p>A : 27 B : 2 C : 12 D : 10</p> <p>E : 11 F : 10 G : 9 H : 9</p> <p>J : 7 K : 0 L : 0 M : 1</p> <p>N : 0 V : 0</p> <p><u>Broom and mop hook</u></p>	No	98		
200	<p>Back plate to be 900 x 450mm high non magnetic 1.6mm stainless steel plate with grid 180 satin finish, glued and screwed (with wall plugs) to a wall surface, with an approved adhesive and six countersunk stainless steel screws, complete with standard stainless steel wall rail - 900mm long with five broom hooks (HK005)</p> <p>A : 5 B : 2 C : 1 D : 1</p> <p>E : 1 F : 1 G : 1 H : 1</p> <p>J : 1 K : 0 L : 0 M : 1</p> <p>N : 0 V : 0</p> <p><u>DRUG CABINET</u></p>	No	15		
201	<p>Standard 711 x 280 x 762/711mm high lockable mild steel drug cabinet complete with internal lockable compartment and shelves Type D with PPA 200 Micron coat finish all to comply with SABS standards. Colour to Architects Approval <u>all in accordance with annexed drug cabinet specification HDG-100-R Drug cabinet specification</u></p> <p>A : 0 B : 0 C : 2 D : 3</p> <p>E : 1 F : 1 G : 1 H : 1</p> <p>J : 1 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	10		
Carried to Collection				R	
<p>Section No. 3</p> <p>SECTION 3 - NEW HOSPITAL</p> <p>Bill No. 9</p> <p>Ironmongery</p>					

INSTRUMENT CABINET

202	Franke 1,6mm Grade 304 18/10 stainless steel instrument cabinet (Code: 2630063), size 900 x 300 x 600mm with 2No. shelves, bolted to wall with M6 stainless steel expanding bolts.	No	12
	A : 3 B : 1 C : 1 D : 2		
	E : 1 F : 1 G : 1 H : 1		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

203	1,6mm Grade 304 18/10 stainless steel instrument cabinet (Code: 2630063), size 900 x 300 x 600mm with 2No. doors fitted with shatterproof glass panels, Cam lock with 2No. keys and 2No. shelves, bolted to wall with M6 stainless steel expanding bolts.	No	10
	A : 0 B : 0 C : 2 D : 3		
	E : 1 F : 1 G : 1 H : 1		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

KEY CUPBOARD

204	Wall mounted standard lockable key cupboard with 100 hooks size 540 x 420 x 55mm deep	No	10
	A : 10 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

STAINLESS STEEL TABLES

205	1,2mm Grade 304 18/10 stainless steel table, size 1850 x 650 x 1050mm with 50 x 10mm turndown, stainless steel slatted undershelf, size 1500 x 420mm wide, underside sprayed with vermin proof bitumastic sound deadening, fixed to wall with anchor bolts 900mm from finished floor level and supported on 2No. detachable Grade 304 (18/10) stainless steel round legs, size 41mm diameter x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces. (SS034)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 1		
	N : 0 V : 0		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

206	1,2mm Grade 304 18/10 stainless steel table, size 2400 x 650 x 1050mm with 50 x 10mm turndown, stainless steel slatted undershelf, size 2400 x 420mm wide, underside sprayed with vermin proof bitumastic sound deadening, fixed to wall with anchor bolts 900mm from finished floor level and supported on Grade 304 (18/10) stainless steel square gallows brackets with detachable front leg, size 40 x 40 x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces. (SS034)	No	5	
	A : 4 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 1 N : 0 V : 0			
207	1,2mm Grade 304 18/10 stainless steel wall bench, size 1500 x 650 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, stainless steel solid undershelf, size 1500 x 420mm wide, underside sprayed with vermin proof bitumastic sound deadening, fixed to wall with anchor bolts 900mm from finished floor level and supported on Grade 304 (18/10) stainless steel square gallows brackets with detachable front leg, size 40 x 40 x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces. (SS084)	No	2	
	A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
208	1,2mm Grade 304 18/10 stainless steel wall bench, size 1500 x 650 x 1050mm without splashback to rear, 50 x 10mm turndown, stainless steel solid undershelf, size 1500 x 420mm wide, underside sprayed with vermin proof bitumastic sound deadening, fixed to wall with anchor bolts 900mm from finished floor level and supported on Grade 304 (18/10) stainless steel square gallows brackets with detachable front legs, size 40 x 40 x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces. (SS087)	No	2	
	A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
Carried to Collection				R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery				

209	1,2mm Grade 304 18/10 stainless steel wall bench size 1000 x 650 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet and a set of 38mm diameter stainless steel detachable legs, fitted with adjustable flanged foot pieces. (SS104)	No	2	
	A : 1 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
210	1,2mm Grade 304 18/10 stainless steel wall bench size 1350 x 650 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet and a set of 38mm diameter stainless steel detachable legs, fitted with adjustable flanged foot pieces. (SS104)	No	2	
	A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
211	1,2mm Grade 304 18/10 stainless steel wall bench size 1500 x 650 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet and a set of 38mm diameter stainless steel detachable legs, fitted with adjustable flanged foot pieces. (SS104)	No	2	
	A : 0 B : 0 C : 1 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
Carried to Collection				R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery				

212	1,2mm Grade 304 18/10 stainless steel wall bench size 2000 x 650 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet and a set of 38mm diameter stainless steel detachable legs, fitted with adjustable flanged foot pieces. (SS104)	No	7	
	A : 0 B : 0 C : 0 D : 1 E : 2 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0			
213	1,2mm Grade 304 18/10 stainless steel wall bench size 550 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1	
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
214	1,2mm Grade 304 18/10 stainless steel wall bench size 950 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1	
	A : 0 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
Carried to Collection				R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery				

215	1,2mm Grade 304 18/10 stainless steel wall bench size 1060 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 1 N : 0 V : 0				
216	1,2mm Grade 304 18/10 stainless steel wall bench size 1350 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
217	1,2mm Grade 304 18/10 stainless steel wall bench size 1500 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 0 C : 1 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
218	1,2mm Grade 304 18/10 stainless steel wall bench size 1550 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 1 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery					

219	1,2mm Grade 304 18/10 stainless steel wall bench size 1680 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 1 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
220	1,2mm Grade 304 18/10 stainless steel wall bench size 2100 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0				
221	1,2mm Grade 304 18/10 stainless steel wall bench size 2125 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
222	1,2mm Grade 304 18/10 stainless steel wall bench size 2140 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 0 C : 1 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery					

223	1,2mm Grade 304 18/10 stainless steel wall bench size 2175 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
224	1,2mm Grade 304 18/10 stainless steel wall bench size 2260 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 1 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
225	1,2mm Grade 304 18/10 stainless steel wall bench size 2270 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	2		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 1 H : 0 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0				
226	1,2mm Grade 304 18/10 stainless steel wall bench size 2300 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery					

227	1,2mm Grade 304 18/10 stainless steel wall bench size 2580 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
228	1,2mm Grade 304 18/10 stainless steel wall bench size 3000 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	2		
	A : 1 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
229	1,2mm Grade 304 18/10 stainless steel wall bench size 4720 x 600 x 1050mm with 150mm high integral splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS109)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
230	1,2mm Grade 304 18/10 stainless steel wall bench size 1700 x 600 x 1050mm without splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS111)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 9					
Ironmongery					

231	1,2mm Grade 304 18/10 stainless steel wall bench size 2350 x 600 x 1050mm without splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS111)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 1 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
232	1,2mm Grade 304 18/10 stainless steel wall bench size 2385 x 600 x 1050mm without splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS111)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
233	1,2mm Grade 304 18/10 stainless steel wall bench size 2500 x 600 x 1050mm without splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS111)	No	3		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 1 G : 1 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
234	1,2mm Grade 304 18/10 stainless steel wall bench size 3300 x 600 x 1050mm without splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS111)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 9					
Ironmongery					

235	1,2mm Grade 304 18/10 stainless steel wall bench size 3850 x 600 x 1050mm without splashback to rear, 50 x 10mm turndown, underside sprayed with vermin proof bitumastic sound deadening, supported on 30 x 30 x 3mm painted mild steel angle framework with galvanised mild steel backing sheet. (SS111)	No	1		
	A : 0 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
<u>WRITING BOARDS</u>					
<u>Purpose made white boards</u>					
236	White writing board 250 x 270mm high with lettering installed strictly to manufacturer's specifications (BOA023)	No	195		
	A : 13 B : 0 C : 24 D : 34 E : 24 F : 30 G : 28 H : 28 J : 14 K : 0 L : 0 M : 0 N : 0 V : 0				
237	White writing board 600 x 1000mm high with lettering installed strictly to manufacturer's specifications (BOA001A)	No	2		
	A : 0 B : 0 C : 0 D : 2 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
238	White writing board 1000 x 1000mm high installed strictly to manufacturer's specifications (BOA002)	No	5		
	A : 0 B : 5 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
239	White writing board 1200 x 1000mm high with lettering installed strictly to manufacturer's specifications (BOA021)	No	3		
	A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery				R	

240	White writing board 1500 x 1000mm high installed strictly to manufacturer's specifications (BOA004)	No	40		
	A : 20 B : 7 C : 4 D : 1				
	E : 1 F : 1 G : 1 H : 1				
	J : 1 K : 0 L : 0 M : 3				
	N : 0 V : 0				
241	White writing board 1500 x 1000mm high with lettering installed strictly to manufacturer's specifications (BOA004A)	No	10		
	A : 0 B : 2 C : 2 D : 1				
	E : 1 F : 1 G : 1 H : 1				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
242	White writing board 1500 x 1000mm high with lettering installed strictly to manufacturer's specifications (BOA020)	No	3		
	A : 3 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
243	White writing board 1800 x 1000mm high installed strictly to manufacturer's specifications (BOA005)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
244	White writing board 2000 x 1000mm high installed strictly to manufacturer's specifications (BOA006)	No	2		
	A : 0 B : 0 C : 2 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
<u>PINNING BOARDS</u>					
<u>Pin boards with carpet to pinning board</u>					
245	Standard 1000mm x 1000mm pin board all installed strictly to manufacturer's specifications, plugged (BOA010)	No	16		
	A : 2 B : 2 C : 0 D : 3				
	E : 2 F : 2 G : 2 H : 2				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection				R	
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 9					
Ironmongery					

246	Standard 1200mm x 1000mm pin board all installed strictly to manufacturer's specifications, plugged (BOA011)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
247	Standard 1500mm x 1000mm pin board all installed strictly to manufacturer's specifications, plugged (BOA012)	No	102		
	A : 11 B : 32 C : 15 D : 13				
	E : 6 F : 6 G : 5 H : 5				
	J : 3 K : 0 L : 1 M : 5				
	N : 0 V : 0				
<u>PROJECTOR SCREEN</u>					
<u>Standard projector screen complete with ceiling box</u>					
248	Standard 1760 x 1330mm projector screen, all installed strictly to manufacturer's specifications (SCR004)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
<u>X-RAY VIEWING SCREENS</u>					
<u>X-ray viewing screens</u>					
249	Single surface mount single X-ray viewing screen size 360 x 429 and 1 plate, complete with switch and fluorescent lamps. Installed strictly to manufacturers specifications (ILL001-EE)	No	34		
	A : 8 B : 19 C : 1 D : 1				
	E : 1 F : 1 G : 1 H : 1				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
250	Single surface mount single X-ray viewing screen size 960 x 429 with 2 plates, complete with switch and fluorescent lamps. Installed strictly to manufacturers specifications (ILL002-EE)	No	20		
	A : 3 B : 9 C : 0 D : 1				
	E : 1 F : 1 G : 1 H : 1				
	J : 3 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 9 Ironmongery				R	

GLOVE, CAPS AND MASKS DISPENSER**Metal craft**

251	Purpose made protection system dispensing IPS consumables, dispenser to hold flat pack or launder able gowns, two boxes of gloves and one box of ear loop face masks and one box caps with cylinder lock with standard key, plugged and screwed to the wall with stainless steel screws (SAN104)	No	9
	A : 4 B : 0 C : 0 D : 1		
	E : 2 F : 1 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

VANDAL RESISTANT FURNITURE

252	Psychiatric Bed to be anchored to the floor via high tensile strength stainless steel tamper proof fasteners and also has the ability to be filled with sand to increase product weight including built in mattress retainer (PSY001)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
253	Vandal resistant mattress from high density solid foam core with flame retardant properties, cover manufactured from a flame retardant, waterproof and heavy duty polyurethane four way stretch material (PSY004)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
254	4 Seater Stainless steel table that can be used in recreational or dining areas. (PSY015)	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

STEEL LOCKERS

255	Standard X3 PPA 200 micron coated two tier change lockers, complete with one PPA 200 micron coated mild steel sit bench unit with perforated bench. Installed strictly to manufacturers specifications (LOC002)	No	16
	A : 11 B : 0 C : 5 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
256	Standard X3 PPA 200 micron coated two tier change lockers. Installed strictly to manufacturers specifications (LOC003)	No	14
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 10		
	N : 4 V : 0		
257	Standard 4 drawer powder coated mild steel filing cabinet complete with locking mechanism. Installed strictly to manufacturers specifications (CUPF023)	No	78
	A : 62 B : 5 C : 2 D : 1		
	E : 1 F : 1 G : 1 H : 1		
	J : 1 K : 0 L : 0 M : 3		
	N : 0 V : 0		

MODULAR STEEL SHELVING

258	Standard two 500 x 1800mm high PPA 200 micron wall louvre panel complete with 32 LinBin combination. (SH013)	No	5
	A : 2 B : 1 C : 1 D : 0		
	E : 0 F : 1 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
259	Standard 550 x 246mm utility shelf with PPA 200 micron finish complete with wall supports (SH015)	No	55
	A : 11 B : 31 C : 1 D : 2		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

R

260	Standard 1050 x 610mm high PPA 200 MICRON wall rails complete with 30 LinBin combination (x9/size2, x9/size3, x12/size5) (LB-30). (SH046)	No	7
	A : 1 B : 0 C : 0 D : 1		
	E : 1 F : 1 G : 1 H : 1		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
261	1100 X 246mm Utility shelf complete with wall supports with PPA 200 MICRON finish. (SH055)	No	15
	A : 5 B : 1 C : 2 D : 2		
	E : 1 F : 1 G : 1 H : 1		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
262	914 x 381 x 1905mm High 5 tier slated shelf unit bolted to ground, with bracing strips (SH065)	No	6
	A : 5 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
263	914 x 457 x 1905mm High 5 tier slated shelf unit bolted to ground, with bracing strips (SH066)	No	69
	A : 32 B : 5 C : 8 D : 0		
	E : 0 F : 4 G : 0 H : 0		
	J : 8 K : 0 L : 0 M : 12		
	N : 0 V : 0		
264	914 x 610 x 1905mm High 5 tier slated shelf unit bolted to ground, with bracing strips (SH067)	No	98
	A : 9 B : 0 C : 17 D : 19		
	E : 7 F : 4 G : 9 H : 9		
	J : 1 K : 0 L : 0 M : 23		
	N : 0 V : 0		
265	914 x 381 x 1905mm High 5 tier solid shelf unit bolted to ground, with bracing strips (SH068)	No	47
	A : 11 B : 30 C : 0 D : 0		
	E : 0 F : 0 G : 2 H : 4		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

266	914 x 457 x 1905mm High 5 tier solid shelf unit bolted to ground, with bracing strips (SH069)	No	435
	A : 208 B : 121 C : 8 D : 9		
	E : 12 F : 12 G : 7 H : 5		
	J : 11 K : 0 L : 0 M : 42		
	N : 0 V : 0		
267	914 x 610 x 1905mm High 5 tier solid shelf unit bolted to ground, with bracing strips (SH070)	No	38
	A : 15 B : 3 C : 7 D : 4		
	E : 2 F : 2 G : 2 H : 2		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
268	2100 x 500 x 2100mm High Standard PPA 200 MICRON coated 3 tier heavy duty shelf unit (HD-2.7/5/2/3T). (SH031)	No	5
	A : 0 B : 5 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>Grade 304 18/10 stainless steel modular shelving</u>		
269	1000 x 500 x 2000mm 5 tier wire shelf, post size 25mm diameter x 2000mm high with fully adjustable slatted shelves, size 1000 x 500mm wide, fitted with adjustable foot pieces and end caps (SH043)	No	2
	A : 0 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
270	1500 x 500 x 2000mm 5 tier wire shelf, post size 25mm diameter x 2000mm high with fully adjustable slatted shelves, size 1500 x 500mm wide, fitted with adjustable foot pieces and end caps (SH044)	No	2
	A : 0 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

<u>Standard double slotted epoxy powder coated finish</u>			
271	Wallbands, 915mm long, plugged to brickwork or concrete	No	46
	A : 12 B : 8 C : 0 D : 4		
	E : 4 F : 2 G : 6 H : 8		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		
272	Wallbands, 1220mm long, plugged to brickwork or concrete	No	18
	A : 0 B : 3 C : 0 D : 0		
	E : 6 F : 3 G : 0 H : 6		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
273	Wallbands, 1524mm long, plugged to brickwork or concrete	No	436
	A : 124 B : 92 C : 32 D : 36		
	E : 24 F : 36 G : 24 H : 24		
	J : 20 K : 0 L : 0 M : 24		
	N : 0 V : 0		
274	Wallbands, 1830mm long, plugged to brickwork or concrete	No	12
	A : 0 B : 0 C : 12 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
275	305mm Shelf bracket	No	32
	A : 12 B : 4 C : 0 D : 0		
	E : 4 F : 2 G : 4 H : 4		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		
276	381mm Shelf bracket	No	14
	A : 0 B : 4 C : 0 D : 4		
	E : 0 F : 0 G : 2 H : 4		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
277	457mm Shelf bracket	No	1 858
	A : 496 B : 377 C : 188 D : 144		
	E : 114 F : 153 G : 96 H : 114		
	J : 80 K : 0 L : 0 M : 96		
	N : 0 V : 0		
Carried to Collection			
Section No. 3			
SECTION 3 - NEW HOSPITAL			
Bill No. 9			
Ironmongery			

R

BENCHES, ETC

Airport seating with one piece seat shell in 2mm thick perforated stainless steel grade 430 brushed finish, supported by a full framework in 6mm thick laser cut mild steel, complete with round cross bars in stainless steel. Chairs mounted on a steel beam with 3mm wall thickness without armrests. Leg pieces on extreme ends of unit in 10mm laser cut mild steel

278	Two seater bench configuration, size 900mm high x 600mm deep x 1100mm wide, installed to floor, strictly to manufacturers specifications. (CHA023)	No	30
	A : 11 B : 8 C : 11 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
279	Three seater bench configuration, size 900mm high x 600mm deep x 1700mm wide, installed to floor, strictly to manufacturers specifications. (CHA024)	No	10
	A : 2 B : 8 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
280	Four seater bench configuration, size 900mm high x 600mm deep x 2300mm wide, installed to floor, strictly to manufacturers specifications. (CHA025)	No	63
	A : 34 B : 27 C : 0 D : 2		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
281	Five seater bench configuration, size 900mm high x 600mm deep x 2900mm wide, installed to floor, strictly to manufacturers specifications. (CHA026)	No	23
	A : 9 B : 7 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 6 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

<u>Freestanding Upstand bench, comprising powder coated mild steel frame with 12mm thick compact high pressure laminate slated seat and backrest pop-riveted to frame with grade 304 stainless steel hat and coat hooks , strictly to manufacturers specifications. (CUB002)</u>							
282	1250mm Long Freestanding Upstand bench.	No	1				
	A : 0 B : 0 C : 0 D : 0						
	E : 0 F : 0 G : 0 H : 0						
	J : 0 K : 0 L : 0 M : 0						
	N : 1 V : 0						
283	1500mm Long Freestanding Upstand bench.	No	2				
	A : 2 B : 0 C : 0 D : 0						
	E : 0 F : 0 G : 0 H : 0						
	J : 0 K : 0 L : 0 M : 0						
	N : 0 V : 0						
284	1800mm Long Freestanding Upstand bench.	No	2				
	A : 1 B : 0 C : 0 D : 0						
	E : 0 F : 0 G : 0 H : 0						
	J : 1 K : 0 L : 0 M : 0						
	N : 0 V : 0						
<u>PALLET, ETC</u>							
<u>Plastic Pallets</u>							
285	1000 x 1200mm Plastic pallet, installed strictly according manufacturer's specifications (PLT001)	No	4				
	A : 0 B : 3 C : 0 D : 0						
	E : 0 F : 0 G : 0 H : 0						
	J : 0 K : 0 L : 0 M : 1						
	N : 0 V : 0						
<u>SIGNAGE</u>							
<u>FIRE SIGNAGE (See attached schedule at the back of these bills of quantities)</u>							
<u>All signs to be 190 x 190 photo - luminescent, with white back ground</u>							
286	"E1" Single side	No	7				
	A : 6 B : 0 C : 0 D : 1						
	E : 0 F : 0 G : 0 H : 0						
	J : 0 K : 0 L : 0 M : 0						
	N : 0 V : 0						
Carried to Collection							
Section No. 3							
SECTION 3 - NEW HOSPITAL							
Bill No. 9							
Ironmongery							

R

287	"E2" Single side	No	8
	A : 3 B : 1 C : 2 D : 1		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
288	"E1/E2" Double sided	No	89
	A : 30 B : 10 C : 7 D : 6		
	E : 2 F : 3 G : 3 H : 7		
	J : 4 K : 0 L : 1 M : 16		
	N : 0 V : 0		
289	"E3" Single side	No	221
	A : 82 B : 37 C : 17 D : 11		
	E : 7 F : 7 G : 8 H : 24		
	J : 10 K : 0 L : 1 M : 17		
	N : 0 V : 0		
290	"E16/E17" Double sided	No	3
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
291	"E99" Single side	No	30
	A : 3 B : 3 C : 2 D : 3		
	E : 2 F : 2 G : 2 H : 2		
	J : 4 K : 0 L : 1 M : 6		
	N : 0 V : 0		
292	"E101" Single side	No	7
	A : 2 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 1 M : 0		
	N : 0 V : 2		
293	"F4" Single side	No	47
	A : 14 B : 6 C : 4 D : 3		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 2 L : 2 M : 6		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

294	"F5" Single side	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 2 M : 0		
	N : 0 V : 0		
295	"F6" Single side	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 2 M : 0		
	N : 0 V : 0		
296	"F5/F6" Double sided	No	50
	A : 16 B : 6 C : 5 D : 4		
	E : 2 F : 3 G : 4 H : 2		
	J : 2 K : 0 L : 1 M : 5		
	N : 0 V : 0		
297	"F13" Single side	No	40
	A : 8 B : 0 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 4		
	J : 1 K : 7 L : 1 M : 12		
	N : 4 V : 2		
298	"F14" Single side	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 1 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
299	"F16/F19" Double sided	No	7
	A : 1 B : 0 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 4		
	J : 0 K : 0 L : 1 M : 0		
	N : 0 V : 0		
300	"F27" Single side	No	7
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 1 L : 0 M : 6		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 9

Ironmongery

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309

Carried Forward

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 9
Ironmongery

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 9

Ironmongery

SUMMARY

	Page No	Amount
Brought Forward		R
Total Brought Forward from Page No.	310	
	311	
	312	
	313	
	314	
	315	
	316	
	317	
	318	
	319	
	320	
	321	
	322	
	323	
	324	
	325	
	326	
	327	
	328	
	329	
Carried Forward		R
Section No. 3		
SECTION 3 - NEW HOSPITAL		
Bill No. 9		
Ironmongery		

MILD STEEL**The following in welded and bolted roof trusses**

2	Angle sections, flat sections, etc. in tie beams, rafters, struts, bracing, etc. of roof trusses	t	62.37
	A : 22.85 B : 7.06 C : 4.27 D : 5.83		
	E : 2.27 F : 3.33 G : 0.20 H : 0.21		
	J : 2.17 K : 1.09 L : 0.00 M : 13.11		
	N : 0.00 V : 0.00		
3	I sections, IPE sections, etc. in tie beams, rafters, struts, bracing, etc. of roof trusses	t	6.24
	A : 1.33 B : 0.69 C : 0.99 D : 0.42		
	E : 0.27 F : 0.40 G : 0.00 H : 0.00		
	J : 0.35 K : 0.20 L : 0.00 M : 1.60		
	N : 0.00 V : 0.00		
4	Ditto, but galvanised	t	44.52
	A : 6.05 B : 5.21 C : 1.74 D : 1.96		
	E : 1.33 F : 1.75 G : 1.63 H : 12.11		
	J : 1.60 K : 0.63 L : 2.14 M : 2.75		
	N : 5.25 V : 0.37		
5	Square and rectangular hollow section in trusses	t	0.81
	A : 0.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.20 H : 0.20		
	J : 0.00 K : 0.00 L : 0.00 M : 0.41		
	N : 0.00 V : 0.00		
6	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	14.55
	A : 4.68 B : 1.32 C : 0.87 D : 1.41		
	E : 0.61 F : 0.85 G : 0.15 H : 0.15		
	J : 1.09 K : 0.45 L : 0.00 M : 2.97		
	N : 0.00 V : 0.00		
7	Ditto, but galvanised	t	2.10
	A : 2.10 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 0.00		
	N : 0.00 V : 0.00		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 10
Structural Steelwork

Welded beams, purlins, bracing, etc.

8	Cold formed lipped channel in purlins, etc.	t	77.17
	A : 23.45 B : 8.05 C : 4.08 D : 5.05		
	E : 3.01 F : 4.26 G : 4.06 H : 5.66		
	J : 3.60 K : 1.58 L : 1.43 M : 9.66		
	N : 3.10 V : 0.18		
9	Angle sections in bracing, etc.	t	18.82
	A : 4.80 B : 2.74 C : 1.06 D : 1.39		
	E : 1.04 F : 0.96 G : 0.65 H : 0.64		
	J : 1.24 K : 0.74 L : 0.19 M : 3.36		
	N : 0.00 V : 0.00		
10	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	6.40
	A : 0.00 B : 6.40 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 0.00		
	N : 0.00 V : 0.00		
<u>The following in welded and bolted steel columns and beams</u>			
11	I-section and H-section columns and beams	t	3.135
	A : 2.828 B : 0.000 C : 0.000 D : 0.000		
	E : 0.000 F : 0.000 G : 0.000 H : 0.000		
	J : 0.000 K : 0.000 L : 0.000 M : 0.307		
	N : 0.000 V : 0.000		
12	Rectangular hollow section beam	t	1.019
	A : 0.000 B : 0.000 C : 0.000 D : 0.000		
	E : 0.000 F : 0.000 G : 0.000 H : 0.000		
	J : 0.000 K : 0.000 L : 0.000 M : 1.019		
	N : 0.000 V : 0.000		
13	Tubular section beam	t	0.532
	A : 0.532 B : 0.000 C : 0.000 D : 0.000		
	E : 0.000 F : 0.000 G : 0.000 H : 0.000		
	J : 0.000 K : 0.000 L : 0.000 M : 0.000		
	N : 0.000 V : 0.000		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 10
Structural Steelwork

14	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc. A : 1.20 B : 0.00 C : 0.00 D : 0.00 E : 0.00 F : 0.00 G : 0.00 H : 0.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00 <u>BULKHEAD SUPPORT</u> <u>The following in welded and bolted support structure</u>	t	1.20	
15	Cold formed lipped channel A : 2.76 B : 1.03 C : 0.58 D : 1.06 E : 1.05 F : 0.26 G : 0.68 H : 0.50 J : 0.83 K : 0.18 L : 0.16 M : 0.62 N : 0.50 V : 0.00	t	10.20	
16	Angle sections A : 4.15 B : 1.55 C : 0.87 D : 1.59 E : 1.57 F : 0.38 G : 1.02 H : 0.75 J : 1.25 K : 0.28 L : 0.24 M : 1.29 N : 0.74 V : 0.00	t	15.66	
17	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc. A : 0.69 B : 0.26 C : 0.14 D : 0.26 E : 0.26 F : 0.06 G : 0.17 H : 0.13 J : 0.21 K : 0.05 L : 0.04 M : 0.15 N : 0.12 V : 0.00	t	2.55	
18	M16 Chemical anchor bolts A : 294 B : 110 C : 61 D : 112 E : 111 F : 27 G : 73 H : 53 J : 88 K : 20 L : 17 M : 81 N : 53 V : 0 <u>WALL CLADDING SUPPORT</u> <u>The following in welded and bolted support structure</u>	No	1 099	
19	100 x 50 x 11kg/m Parallel flange section A : 0.62 B : 0.00 C : 0.00 D : 0.00 E : 0.00 F : 0.00 G : 0.00 H : 0.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00	t	0.62	
Carried to Collection				R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 10 Structural Steelwork				

20	Angle sections	t	0.22
	A : 0.22 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 0.00		
	N : 0.00 V : 0.00		
21	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	0.01
	A : 0.01 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 0.00		
	N : 0.00 V : 0.00		
22	M16 Chemical anchor bolts	No	59
	A : 59 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
<u>GUTTERS</u>			
23	3 mm Thick welded steel rainwater gutter 460mm girth, welded to form slope at bottom, four times bent and fixed to purlins, including painting inside with epoxy tar, welding complete	m	8
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 8		
24	Extra over for stop end	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 2		
25	Extra for 100 x 75mm outlet	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 2		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 10
Structural Steelwork

26	3 mm Thick welded steel rainwater gutter 910mm girth, welded to form slope at bottom, four times bent and fixed to purlins, including painting inside with epoxy tar, welding complete	m	45
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 45 V : 0		
27	Extra over for stop end	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 2 V : 0		
28	Extra for 100 x 75mm outlet	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 2 V : 0		
<u>GALVANISED STEEL</u>			
<u>The following in galvanised welded purlins, bracing, sag rods, gusset plates, etc. bolted to steel structure, etc.</u>			
29	Cold formed lipped channel	t	3.71
	A : 1.00 B : 2.71 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 0.00		
	N : 0.00 V : 0.00		
30	Angle sections in bracing, etc.	t	1.98
	A : 0.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.82		
	J : 0.00 K : 0.00 L : 0.00 M : 0.00		
	N : 1.16 V : 0.00		
31	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	1.07
	A : 0.00 B : 1.07 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 0.00		
	N : 0.00 V : 0.00		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 10
Structural Steelwork

The following in welded and bolted galvanised steel columns and beams

32	I-section and H-section beams	t	18.443	
	A : 0.000 B : 5.575 C : 0.000 D : 0.000			
	E : 0.000 F : 0.000 G : 0.000 H : 8.842			
	J : 0.000 K : 0.000 L : 0.729 M : 0.000			
	N : 3.297 V : 0.000			
33	Ditto, but circular on plan	t	0.363	
	A : 0.000 B : 0.363 C : 0.000 D : 0.000			
	E : 0.000 F : 0.000 G : 0.000 H : 0.000			
	J : 0.000 K : 0.000 L : 0.000 M : 0.000			
	N : 0.000 V : 0.000			
34	I-section and H-section columns	t	10.742	
	A : 0.000 B : 0.000 C : 0.000 D : 0.000			
	E : 0.000 F : 0.000 G : 0.000 H : 6.080			
	J : 0.000 K : 0.000 L : 0.000 M : 0.000			
	N : 4.662 V : 0.000			
35	Square and rectangular hollow section columns	t	12.464	
	A : 0.000 B : 1.035 C : 0.000 D : 0.000			
	E : 0.000 F : 0.000 G : 0.000 H : 9.092			
	J : 0.000 K : 0.000 L : 1.329 M : 0.574			
	N : 0.412 V : 0.022			
36	Tubular section columns	t	1.542	
	A : 0.000 B : 1.542 C : 0.000 D : 0.000			
	E : 0.000 F : 0.000 G : 0.000 H : 0.000			
	J : 0.000 K : 0.000 L : 0.000 M : 0.000			
	N : 0.000 V : 0.000			
37	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	5.26	
	A : 1.51 B : 0.37 C : 0.04 D : 0.04			
	E : 0.03 F : 0.03 G : 0.07 H : 2.15			
	J : 0.04 K : 0.02 L : 0.37 M : 0.12			
	N : 0.47 V : 0.02			

Chemical bolts

38	M16 Chemical anchor bolts	No	592	
	A : 0 B : 116 C : 0 D : 0			
	E : 0 F : 0 G : 204 H : 204			
	J : 0 K : 0 L : 28 M : 40			
	N : 0 V : 0			

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 10
Structural Steelwork

Nuts and bolts, etc.

39	16mm U-bolt	No	20		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 20				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				

40	20mm U-bolt	No	80		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 80				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				

CATLADDERS, ETC**Catladder**

41	38 x 3mm Galvanized Circular Hollow Sections	t	0.176		
	A : 0.176 B : 0.000 C : 0.000 D : 0.000				
	E : 0.000 F : 0.000 G : 0.000 H : 0.000				
	J : 0.000 K : 0.000 L : 0.000 M : 0.000				
	N : 0.000 V : 0.000				

42	16mm Diameter Galvanized mild steel rings	t	0.511		
	A : 0.511 B : 0.000 C : 0.000 D : 0.000				
	E : 0.000 F : 0.000 G : 0.000 H : 0.000				
	J : 0.000 K : 0.000 L : 0.000 M : 0.000				
	N : 0.000 V : 0.000				

43	Galvanized Angle and flat sections in connections, brackets, etc.	t	4.039		
	A : 4.039 B : 0.000 C : 0.000 D : 0.000				
	E : 0.000 F : 0.000 G : 0.000 H : 0.000				
	J : 0.000 K : 0.000 L : 0.000 M : 0.000				
	N : 0.000 V : 0.000				

Nuts and bolts, etc.

44	M10 Chemical Anchor	No	72		
	A : 72 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 10
Structural Steelwork

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 10

Structural Steelwork

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

348

349

350

351

352

353

354

355

Carried Forward to Summary of Section No. 3

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 10

Structural Steelwork

HANDRAILS, BALUSTRADES, ETC

Welded stainless steel handrail fixed 300mm above floor level, consisting of a 50mm Diameter 1.5mm thick stainless steel pipe including 12mm stainless steel rod and 30 x 50 x 2mm thick stainless steel wall flange to fix handrail to wall with two stainless steel pop rivets at 1.5m intervals.

1	Handrail fixed to walls	m	10
	A : 5 B : 2 C : 3 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
2	Extra over 50mm diameter top rail for closed end	No	8
	A : 4 B : 2 C : 2 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>Welded stainless steel handrail fixed 900mm above floor level, consisting of a 50mm Diameter 1.5mm thick stainless steel pipe including 12mm stainless steel rod and 30 x 50 x 2mm thick stainless steel wall flange to fix handrail to wall with two stainless steel pop rivets at 1.5m intervals.</u>		
3	Handrail fixed to walls	m	7
	A : 7 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
4	Extra over 50mm diameter top rail for closed end	No	6
	A : 6 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

Welded double stainless steel balustrade, consisting of one 50mm Diameter 1.5mm thick stainless steel pipes including 12mm stainless steel rod and 70mm diameter dome floor flange to fix balustrade to floor by core drilling into concrete and epoxy grout to fix 38mm diameter stainless steel rod into concrete at 1.2m intervals all (Refer to Drawings TYP-042-025 and TYP-042-026 at the back of the Bills of Quantities)

5	Raking balustrade fixed to concrete	m	61		
	A : 36 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 15 M : 10				
	N : 0 V : 0				
6	Ditto, but circular on plan	m	7		
	A : 7 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
7	Balustrade fixed to concrete	m	251		
	A : 139 B : 71 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 3				
	J : 0 K : 0 L : 27 M : 11				
	N : 0 V : 0				
8	Ditto, but circular on plan	m	55		
	A : 55 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
9	Extra over for 90 degree bend	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
10	Extra over 50mm diameter toprail for closed end	No	8		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 6 M : 2				
	N : 0 V : 0				

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

11	Extra over for ramp or knee A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 1 M : 3 N : 0 V : 0 <u>THE FOLLOWING IN GALVANIZED WELDED EXPANDED METAL</u> <u>Mild steel Flattened expanded metal panels (Flatex 346/VEM6320H) clamped between steel sections (measured elsewhere)</u>	No	4
12	Galvanized welded expanded metal mesh A : 0 B : 75 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 110 M : 0 N : 24 V : 0 <u>Mild steel Flattened expanded metal panels (Flatex 358/VEM6315F) clamped between steel sections (measured elsewhere)</u>	m2	209
13	Galvanized welded expanded metal mesh A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 585 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0 <u>Frame to be constructed of 50 x 25 x 2mm rectangular tube rolled to a circular frame of 900mm radius including fixed to wall, 25 x 25 x 2mm angle rolled to fit inside circular frame and welded to frame for expanded metal fixing. Mild steel Flattened expanded metal panels (Flatex 349/VEM6320D) welded to angle iron</u>	m2	585
14	900mm Radius circular galvanized welded expanded metal mesh panel A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

SECURITY GATES**Mild steel screens and gates to brickwork**

15	Single security gate 877 x 2000mm high overall frame formed of 75 x 50 x 2mm sections, with infill panel frame consisting of 75 x 50 x 2mm sections split in two sections approximately 800 x 800mm high and 800 x 1000mm high respectively, filled in with security fencing infill panel welded to infill panel security gate fitted with one and a half pair heavy duty hinges and fixed to wall with and including M10 epoxy grouted bolts both sides (lock elsewhere measured) (Block A: Type 39, Block B: Type 34, Block D: Type 21, Block J: Type 18)	No	6
	A : 2 B : 2 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

MINOR STEEL WORK**The following in welded and bolted steel columns**

16	75 x 75 x 3mm Square hollow section column in mullions (Total in no: 162)	m	125
	A : 37 B : 7 C : 1 D : 3		
	E : 2 F : 0 G : 8 H : 8		
	J : 12 K : 0 L : 2 M : 17		
	N : 28 V : 0		
17	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	0.14
	A : 0.04 B : 0.01 C : 0.01 D : 0.01		
	E : 0.01 F : 0.00 G : 0.01 H : 0.01		
	J : 0.01 K : 0.00 L : 0.00 M : 0.02		
	N : 0.02 V : 0.00		
18	M16 Chemical anchor bolts	No	408
	A : 104 B : 24 C : 16 D : 16		
	E : 16 F : 0 G : 32 H : 32		
	J : 32 K : 0 L : 8 M : 56		
	N : 72 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

MINOR STAINLESS STEEL WORK**The following in cladding**

19	3mm Thick stainless steel side cladding fixed to 9mm Nutec (measured elsewhere) including all fixing, finishes etc.	m2	34
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 34		
	N : 0 V : 0		

The following in welded frame

20	3mm Thick stainless steel frame 200mm girth, two times bent and fixed to stainless steel cladding including all fixing etc.	m	47
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 47		
	N : 0 V : 0		

21	50 x 6mm Thick stainless steel plate welded to stainless steel frame	m	47
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 47		
	N : 0 V : 0		

Sundries

22	890 x 585 x 912mm High support frame for overlay sink complete (See <u>Drawing 045-S20</u> attached to the back of these bills of quantities)	No	34
	A : 12 B : 8 C : 1 D : 3		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		

23	1190 x 585 x 912mm High support frame for overlay sink (measured elsewhere) complete (See <u>Drawing 045-S20</u> attached to the back of these bills of quantities)	No	13
	A : 2 B : 2 C : 0 D : 2		
	E : 1 F : 1 G : 0 H : 1		
	J : 1 K : 0 L : 1 M : 2		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

PRESSED STEEL DOOR FRAMES

**1.6mm Standard Pressed Mild Steel rebate frames
suitable for half brick walls and fitted with three
hinges per door leaf**

24	Frame for door 686 x 1870mm high	No	25
	A : 6 B : 6 C : 3 D : 2		
	E : 0 F : 0 G : 2 H : 2		
	J : 1 K : 0 L : 0 M : 3		
	N : 0 V : 0		
25	Frame for door 813 x 2032mm high	No	224
	A : 66 B : 44 C : 18 D : 21		
	E : 4 F : 8 G : 9 H : 12		
	J : 2 K : 0 L : 11 M : 29		
	N : 0 V : 0		
26	Frame for door 956 x 1882mm high	No	33
	A : 0 B : 0 C : 0 D : 0		
	E : 3 F : 10 G : 8 H : 8		
	J : 4 K : 0 L : 0 M : 0		
	N : 0 V : 0		
27	Frame for door 956 x 2032mm high	No	68
	A : 20 B : 27 C : 6 D : 0		
	E : 4 F : 2 G : 3 H : 2		
	J : 3 K : 0 L : 0 M : 1		
	N : 0 V : 0		
28	Frame for double door 1226 x 2032mm high overall	No	4
	A : 0 B : 2 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 1		
	N : 0 V : 0		
29	Frame for double door 1511 x 1870mm high	No	6
	A : 3 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
30	Frame for double door 1588 x 2032mm high	No	24
	A : 10 B : 4 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 8		
	J : 0 K : 0 L : 0 M : 1		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

31	Frame for double door 1788 x 2032mm high A : 0 B : 0 C : 1 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0 <u>1.6mm Standard Pressed Mild Steel rebate frames suitable for one brick walls and fitted with three hinges per door leaf</u>	No	1
32	Frame for door 686 x 1870mm high A : 7 B : 0 C : 1 D : 0 E : 2 F : 2 G : 0 H : 0 J : 3 K : 0 L : 0 M : 0 N : 0 V : 0	No	15
33	Frame for door 813 x 2032mm high A : 47 B : 13 C : 17 D : 21 E : 12 F : 11 G : 9 H : 10 J : 9 K : 0 L : 9 M : 14 N : 4 V : 0	No	176
34	Frame for door 956 x 2032mm high A : 16 B : 3 C : 2 D : 9 E : 9 F : 8 G : 6 H : 7 J : 7 K : 0 L : 0 M : 0 N : 0 V : 0	No	67
35	Frame for double door 1226 x 2032mm high A : 7 B : 4 C : 13 D : 11 E : 5 F : 12 G : 10 H : 10 J : 7 K : 0 L : 0 M : 0 N : 0 V : 0	No	79
36	Frame for double door 1511 x 1870mm high A : 2 B : 1 C : 3 D : 2 E : 2 F : 1 G : 2 H : 2 J : 0 K : 0 L : 0 M : 2 N : 0 V : 0	No	17
37	Frame for double door 1588 x 2032mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 3 M : 9 N : 0 V : 0	No	13

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

38	<p>Frame for double door 1788 x 2032mm high</p> <p>A : 4 B : 1 C : 1 D : 2</p> <p>E : 1 F : 1 G : 1 H : 2</p> <p>J : 1 K : 0 L : 0 M : 1</p> <p>N : 0 V : 0</p> <p><u>STEEL STRONGROOM DOORS, VENTILATORS, ETC</u></p> <p><u>Mutual Austen Safes DS1 Record room door with 1 x 7-lever security keylock, overall size 900 x 1860mm high finished in rustproof undercoat for final painting by contractors.</u></p>	No	15
39	<p>Door size 760 x 1883mm high</p> <p>A : 2 B : 2 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 2 V : 0</p> <p><u>GALVANISED STEEL ROLLER SHUTTER DOORS</u></p> <p><u>Roll-up Serranda Series 2800 galvanised mild steel electrically operated 75 x 0,6mm thick slatted curtain roller shutter with standard bottom rail with overhead box, with 75mm wide guides, with extruded aluminium T-bar with rubber seal, powder coated ancillary components including 4.5mm thick end plates, guide rails, etc, and with centre lock, fixed to brickwork and concrete with canopy over. All to Architects approval.</u></p>	No	6
40	<p>Door suitable for opening size 1150 x 1200mm high with factory fitted lock set</p> <p>A : 5 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	5
41	<p>Door suitable for opening size 1800 x 1200mm high with factory fitted lock set</p> <p>A : 1 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	1

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

TRANSFORMER DOOR AND FRAME**Transformer doors etc suitable for 220mm walls fixed to brickwork or concrete**

48	Standard galvanised single transformer door as type HVA, size 915 x 2440mm high overall	No	2
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 1 L : 0 M : 0		
	N : 0 V : 0		
49	Standard galvanised double transformer door as type MVA, size 1525 x 2135mm high overall	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 1		
50	Standard galvanised double transformer door as type DVA, size 1830 x 2440mm high overall	No	14
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 7 L : 0 M : 6		
	N : 0 V : 0		

Transformer doors etc suitable for 330mm Cavity walls fixed to brickwork or concrete

51	Standard galvanised double transformer door as type YV, size 1525 x 2440mm high overall	No	1
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

NOTE: The following items shall be deemed to fall into Work Group No 140 for JBCC CPAP purposes

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

ALUMINIUM WINDOWS, DOORS, ETC

NOTE: All aluminium doors, windows, shopfronts, view panels, etc to comply with AAAMSA standards and specifications and to Architect's approval Prices must include for the perimeters of frames to be sealed to the structure with approved sealant

ALUMINIUM LOUVRED VENT GRILLS

Standard colour purpose made polyester powder coated (50 - 100u) louvre vent grills and frames to doors

52	Ventilation grill fitted to doors size 450 x 450mm high overall	No	85
	A : 48 B : 14 C : 2 D : 7		
	E : 2 F : 4 G : 3 H : 3		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		

ALUMINIUM DOORS

Standard colour purpose made polyester powder coated aluminium shopfronts and frames glazed with 6mm clear normal strength laminated safety glass, hinges, sealant, etc. plugged to brickwork or concrete (Ironmongery measured elsewhere) all in accordance with drawings and specifications annexed to the back of these Bills of Quantities

53	Single door size 300 x 510mm high (Block B - Type 44)	No	2
	A : 0 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
54	Single door size 900 x 2100mm high	No	7
	A : 5 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 1		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

55	Single door size 900 x 2100mm high with two sidelights size 2769 x 1360mm high and sidelight 3624 x 600mm high in combination with 450 x 1360mm high on both sides of door (Block A - Type 23)	No	1	
	A : 1 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
56	Single door size 900 x 2100mm high with two sidelights size 325 x 1250mm and 1774 x 1250mm high on both sides of door (Block A - Type 52)	No	1	
	A : 1 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
57	Single door size 900 x 2100mm high with two sidelights size 325 x 1250mm and 2295 x 1250mm high on both sides of door and top light 3519 x 705mm high (Block A - Type 53)	No	1	
	A : 1 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
58	Single door size 900 x 2100mm high with two sidelights size 580 x 1250mm and 1774 x 1250mm high on both sides of door (Block A - Type 55)	No	1	
	A : 1 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
59	Single door size 900 x 2100mm high with one sidelights size 3124 x 1760mm high on one side of door with top light 4025 x 1300mm high circular on plan (Block A - Type 65)	No	1	
	A : 1 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
Carried to Collection				R
Section No. 3				
SECTION 3 - NEW HOSPITAL				
Bill No. 11				
Metalwork				

60	Single door size 900 x 2100mm high with two sidelights size 325 x 1250mm high and 4160 x 1250mm high on both sides of door and top light 5385 x 705mm high (Block A - Type 66)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
61	Single door size 900 x 2100mm high with two sidelights size 2198 x 1250mm high and 3674 x 1250mm high on both sides of door with top light 6770 x 705mm high (Block A - Type 67)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
62	Single door size 900 x 2100mm high with two sidelights size 925 x 1760mm high and 2174 x 1760mm high on both sides of door and top light 4000 x 705mm (Block A - Type 68)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
63	Single door size 900 x 2100mm high with two sidelights size 950 x 1760mm high and 2076 x 1760mm high on both sides of door and top light 3926 x 1810mm high (Block A - Type 69)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
64	Single door size 900 x 2100mm high with one sidelights size 385 x 1760mm high on one side of door and top light 1285 x 1300mm (Block A - Type 70)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

65	Single door size 900 x 2100mm high with two sidelights size 2156 x 1760mm high and 3126 x 1760mm high on both sides of door and top light 6180 x 1300mm high (Block A - Type 71)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
66	Single door size 900 x 2100mm high with two sidelights size 1448 x 1760mm high and 325 x 1760mm high on both sides of door and top light 2673 x 1300mm high (Block A - Type 72)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
67	Single door size 900 x 2100mm high with two sidelights size 450 x 1760mm high and 450 x 1760mm high on both sides of door and top light 1800 x 1300mm high (Block A - Type 73)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
68	Single door size 900 x 2100mm high with two sidelights size 1530 x 1760mm high and 1526 x 1760mm high on both sides of door and top light 3955 x 1300mm high (Block A - Type 74)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
69	Single door size 900 x 2100mm high with two sidelights size 1350 x 1760mm high and 1350 x 1760mm high on both sides of door and top light 3600 x 1300mm high (Block A - Type 75)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

70	Single door size 900 x 2100mm high with one sidelights size 300 x 1760mm high on one side of door and top light 1200 x 1130mm high (Block A - Type 76)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
71	Single door size 900 x 2100mm high with two sidelights size 544 x 1760mm and 544 x 1760mm high on both sides of door and top light 1968 x 1130mm high (Block A - Type 77)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
72	Single door size 900 x 2100mm high with one sidelights size 470 x 1760mm high on one side of door and top light 1370 x 1130mm (Block A - Type 83)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
73	Single door size 900 x 2100mm high with two sidelights size 3480 x 1760mm and 2610 x 1760mm high on both sides of door and top light 6690 x 705mm high (Block A - Type 84)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
74	Single door size 900 x 2100mm high with two sidelights size 1774 x 1760mm and 325 x 1760mm high on both sides of door and top light 3000 x 705mm high (Block A - Type 85)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork					

75	Single door size 900 x 2100mm high with one sidelight size 2000 x 1250mm high on side of door (Block B - Type 14)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
76	Single door size 900 x 2100mm high with two sidelights size 1750 x 1250mm high and 680 x 1250mm high on both sides of door (Block B- Type 25)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
77	Single door size 900 x 2100mm high with two sidelights size 2634 x 1250mm high and 2634 x 1250mm high on both sides of door and top light (Block B- Type 26)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
78	Single door size 900 x 2100mm high with two sidelights size 935 x 1250mm high and 935 x 1250mm high on both sides of door and top light 2770 x 620mm high (Block B- Type 24)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
79	Single door size 900 x 2100mm high with two sidelights size 950 x 1250mm high and 950 x 1250mm high on both sides of door and top light 2800 x 620mm high (Block B- Type 27)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

80	Single door size 900 x 2100mm high with two sidelights size 454 x 1250mm high and 1766 x 1250mm high on both sides of door (Block B- Type 29)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
81	Single door size 900 x 2100mm high with one sidelight size 1500 x 1250mm high on side of door (Block B - Type 22)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
82	Single door size 900 x 2100mm high with two sidelights size 1790 x 1250mm high and 820 x 1250mm high on both sides of door (Block B - Type 23)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
83	Single door size 900 x 2100mm high with two sidelights size 591 x 1250mm high and 1480 x 1250mm high on both sides of door (Block B- Type 31)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
84	Single door size 900 x 2100mm high with one sidelight size 2090 x 1250mm high on side of door (Block B- Type 32)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
85	Single door size 900 x 2100mm high with one sidelight size 955 x 1000mm high on side of door (Block B- Type 47)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

86	Single door size 900 x 2100mm high with one sidelights size 13635 x 1790mm high on one side of door circular on plan and top light 14535 x 3255mm high (Block C - Type 15)	No	1	
	A : 0 B : 0 C : 1 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
87	Single door size 900 x 2100mm high with one sidelight size 1344 x 1760mm high on side of door (Block C - Type 17)	No	1	
	A : 0 B : 0 C : 1 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
88	Single door size 900 x 2100mm high with two sidelights size 1575 x 1760mm high and 1575 x 1760mm high on both sides of door and top light 4050 x 1300mm (Block C - Type 18)	No	1	
	A : 0 B : 0 C : 1 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
89	Single door size 900 x 2100mm high with one sidelight size 950 x 1250mm high on side of door (Block J - Type 15)	No	1	
	A : 0 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 1 K : 0 L : 0 M : 0			
	N : 0 V : 0			
90	Single door size 900 x 2100mm high with two sidelights size 2620 x 1250mm high and 850 x 1250mm high on both sides of door (Block C - Type 19)	No	1	
	A : 0 B : 0 C : 1 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
Carried to Collection				R
Section No. 3				
SECTION 3 - NEW HOSPITAL				
Bill No. 11				
Metalwork				

91	Single door size 900 x 2100mm high with one sidelight size 1190 x 1250mm high on one side of door (Block C - Type 16)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
92	Single door size 900 x 2100mm high with two sidelights size 900 x 1760mm high and 2040 x 1760mm high on both sides of door with toplight 3890 x 705mm high (Block D - Type 16)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
93	Single door size 900 x 2100mm high with one sidelight size 837 x 1250mm high on one side of door with toplight 1760 x 705mm high (Block D - Type 17)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
94	Single door size 900 x 2100mm high with one sidelight size 1774 x 1760mm high on one side of door with toplight 2700 x 705mm high (Block D - Type 18)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
95	Single door size 900 x 2100mm high with two sidelights size 690 x 1760mm high and 690 x 1760mm high on both sides of door with toplight 2330 x 705mm high (Block D - Type 19)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

96	Single door size 900 x 2100mm high with two sidelights size 900 x 995mm high and 900 x 995mm high on both sides of door (Block M - Type 27)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
97	Single door size 900 x 2100mm high with two sidelights size 270 x 995mm high and 460 x 995mm high on both sides of door (Block M - Type 28)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
98	Single door size 900 x 2100mm high with two sidelights size 270 x 995mm high and 985 x 995mm high on both sides of door (Block M - Type 29)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
99	Single door size 950 x 2100mm high with two sidelights size 880 x 1180mm high and 1750 x 1180mm high on both sides of door with toplight 3580 x 1300mm high (Block F - Type 12)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 1 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
100	Single door size 950 x 2100mm high with two sidelights size 1882 x 2100mm high and 1882 x 2100mm high on both sides of door (Block N - Type 2)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 1 V : 0				
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork				R	

101	Single door size 950 x 2100mm high with two sidelights size 248 x 2100mm high and 248 x 2100mm high on both sides of door with toplight 1346 x 1050mm high (Block N - Type 6)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 1 V : 0				
102	Single door size 950 x 2100mm high with two sidelights size 214 x 2100mm high and 214 x 2100mm high on both sides of door with toplight 1278 x 1050mm high (Block N - Type 7)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 1 V : 0				
103	Single door size 950 x 2100mm high with two sidelights size 276 x 2100mm high and 276 x 2100mm high on both sides of door with toplight 1401 x 1050mm high (Block N - Type 8)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 1 V : 0				
104	Single door size 950 x 2100mm high with two sidelights size 291 x 2100mm high and 291 x 2100mm high on both sides of door with toplight 1431 x 1050mm high (Block N - Type 9)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 1 V : 0				
105	Single door size 900 x 2100mm high with two sidelights size 265 x 2100mm high and 265 x 2100mm high in combination with 240 x 2100mm high on both sides of door (Block E- Type 18)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

106	Single door size 900 x 2100mm high with two sidelights size 600 x 2100mm high and 1000 x 2100mm high on both sides of door (Block E- Type 33)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
107	Single door size 900 x 2100mm high with two sidelights size 900 x 995mm high and 900 x 995mm high on both sides of door (Block M - Type 27)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
108	Single door size 900 x 2100mm high with two sidelights size 460 x 995mm high and 190 x 995mm high on both sides of door (Block M - Type 28)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
109	Single door size 900 x 2100mm high with two sidelights size 985 x 995mm high and 270 x 995mm high on both sides of door (Block M - Type 29)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
110	Double door size 1295 x 2100mm high with two sidelights size 425 x 1760mm high and 950 x 1760mm high on both sides of door (Block A - Type 36)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
111	Double door size 1295 x 2100mm high with two sidelights size 880 x 1760mm high and 2183 x 1760mm high on both sides of door (Block D - Type 25)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

112	Double door size 1295 x 2100mm high with two sidelights size 1699 x 1760mm high and 1916 x 1760mm high on both sides of door (Block D - Type 26)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
113	Double door size 1295 x 2100mm high with two sidelights size 2553 x 1760mm high and 2553 x 1760mm high on both sides of door (Block E - Type 14)	No	2		
	A : 0 B : 0 C : 0 D : 0				
	E : 2 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
114	Double door size 1295 x 2100mm high with one sidelight size 2256 x 1760mm high on both side of door (Block E - Type 27)	No	2		
	A : 0 B : 0 C : 0 D : 0				
	E : 2 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
115	Double door size 1295 x 2100mm high with two sidelights size 300 x 1760mm high and 3039 x 1760mm high on both sides of door (Block E - Type 28)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
116	Double door size 1295 x 2100mm high with two sidelights size 900 x 1760mm high and 2036 x 1760mm high on both sides of door (Block E - Type 29)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
117	Double door size 1295 x 2100mm high with two sidelights size 600 x 1760mm high and 1806 x 1760mm high on both sides of door (Block E - Type 30)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection				R	
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

118	Double door size 1295 x 2100mm high with two sidelights size 300 x 1760mm high and 1396 x 1760mm high on both sides of door (Block J - Type 14)	No	2		
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 2 K : 0 L : 0 M : 0 N : 0 V : 0				
119	Double door size 1295 x 2100mm high with two sidelights size 895 x 2100mm high and 600 x 2100mm high on both sides of door and top light 2790 x 620mm high (Block B - Type 46)	No	1		
	A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
120	Double door size 1295 x 2100mm high with one sidelight size 2355 x 1760mm high on both side of door (Block E - Type 31)	No	1		
	A : 0 B : 0 C : 0 D : 0 E : 1 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
121	Double door size 1650 x 2100mm high	No	17		
	A : 12 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 2 J : 0 K : 0 L : 0 M : 2 N : 0 V : 0				
122	Double door size 1650 x 2100mm high with two sidelights size 1672 x 1760mm high and 1672 x 1760mm high on both sides of door and top light 4993 x 1810mm high (Block A - Type 63)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
123	Double door size 1650 x 2100mm high with two sidelights size 720 x 1760mm high and 5473 x 1760mm high on both sides of door and top light 7843 x 1810mm high (Block A - Type 62)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork					

124	Double door size 1650 x 2100mm high with one sidelight size 3704 x 1250mm high on one side of door (Block A - Type 58)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
125	Double door size 1650 x 2100mm high with two sidelights size 340 x 1250mm high and 930 x 1250mm high on both sides of door (Block A - Type 59)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
126	Double door size 1650 x 2100mm high with two sidelights size 325 x 1760mm high and 3336 x 1760mm high on both sides of door and top light 5310 x 705mm high (Block A - Type 60)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
127	Double door size 1650 x 2100mm high with two sidelights size 950 x 1760mm high and 950 x 1760mm high on both sides of door and top light 3600 x 320mm high (Block A - Type 93)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
128	Double door size 1650 x 2100mm high with two sidelights size 1796 x 1250mm high and 1796 x 1250mm high on both sides of door (Block B - Type 17)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

129	Double door size 1650 x 2100mm high with two sidelights size 2028 x 1250mm high and 2028 x 1250mm high on both sides of door (Block B - Type 16)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
130	Double door size 1650 x 2100mm high with two sidelights size 1326 x 1250mm high and 2475 x 1250mm high on both sides of door (Block B - Type 18)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
131	Double door size 1650 x 2100mm high with two sidelights size 505 x 2100mm high and 505 x 2100mm high on both sides of door and top light 2710 x 620mm high (Block B - Type 13)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
132	Double door size 1650 x 2100mm high with two sidelights size 675 x 1760mm high and 675 x 1760mm high on both sides of door (Block H - Type 12)	No	3		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 3				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
133	Double door size 1650 x 2100mm high with one sidelights size 3009 x 1760mm high on side of door and top light 4660 x 1300mm high (Block B - Type 14)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

134	Double door size 1650 x 2100mm high with two sidelights size 650 x 1760mm high and 650 x 1760mm high on both sides of door with top light 3000 x 1300mm high (Block B - Type 15)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
135	Double door size 1650 x 2100mm high with one sidelights size 269 x 2100mm high on both side of door (Block B - Type 19)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
136	Double door size 1650 x 2100mm high with two sidelights size 243 x 2100mm high and 243 x 2100mm high on both sides of door (Block B - Type 20)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
137	Double door size 1650 x 2100mm high with two sidelights size 375 x 2100mm high and 375 x 2100mm high on both sides of door (Block B - Type 21)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
138	Double door size 1650 x 2100mm high with two sidelights size 1275 x 1760mm high and 3575 x 1760mm high on both sides of door (Block B - Type 33)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

139	Double door size 1650 x 2100mm high with two sidelights size 375 x 2100mm high and 375 x 2100mm high on both sides of door and toplight 2400 x 705mm high (Block C - Type 11)	No	4		
	A : 0 B : 0 C : 4 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
140	Double door size 1650 x 2100mm high with two sidelights size 375 x 1760mm high and 375 x 1760mm high on both sides of door (Block F - Type 10, 11. Block G - Type 12, 13. Block H - Type 13. Block J - Type 13,16)	No	7		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 2 G : 2 H : 1				
	J : 2 K : 0 L : 0 M : 0				
	N : 0 V : 0				
141	Double door size 1650 x 2100mm high with two sidelights size 675 x 1760mm high and 675 x 1760mm high on both sides of door (Block J - Type 29)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
142	Double door size 1650 x 2100mm high with two sidelights size 215 x 1760mm high and 215 x 1760mm high on both sides of door (Block J - Type 27)	No	2		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 2 K : 0 L : 0 M : 0				
	N : 0 V : 0				
143	Two double doors size 1650 x 2100mm high with sidelights size 3101 x 2100mm high overall and top light 6400 x 1300mm high (Block J - Type 28)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

144	Double door size 1650 x 2100mm high with two sidelights size 604 x 1760mm high and 604 x 1760mm high on both sides of door and toplight 2858 x 620mm high (Block C - Type 12)	No	1	
	A : 0 B : 0 C : 1 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
145	Double door size 1650 x 2100mm high with two sidelights size 375 x 1760mm high and 375 x 1760mm high on both sides of door and toplight 2400 x 620mm high (Block C - Type 13, 14)	No	2	
	A : 0 B : 0 C : 2 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
146	Double door size 1650 x 2100mm high with two sidelights size 1360 x 1760mm high and 1360 x 1760mm high on both sides of door (Block E- Type 17)	No	1	
	A : 0 B : 0 C : 0 D : 0			
	E : 0 F : 1 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
147	Double door size 1650 x 2100mm high with two sidelights size 375 x 1760mm high and 375 x 1760mm high on both sides (Block H- Type 18)	No	3	
	A : 0 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 3			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
148	Double door size 1650 x 2100mm high with two sidelights size 1456 x 1760mm high and 1456 x 1760mm high on both sides of door (Block J - Type 17)	No	2	
	A : 0 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 2 K : 0 L : 0 M : 0			
	N : 0 V : 0			
Carried to Collection				R
Section No. 3				
SECTION 3 - NEW HOSPITAL				
Bill No. 11				
Metalwork				

149	Double door size 1650 x 2100mm high with two sidelights size 2766 x 1760mm high and 2766 x 1760mm high on both sides of door (Block J - Type 29)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
150	Double door size 1650 x 2100mm high with two sidelights size 2700 x 2100mm high and 6415 x 2100mm high on both sides of door with top light 10840 x 5210mm high (Block H- Type 25)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
151	Double door size 1650 x 2100mm high with two sidelights size 423 x 995mm high and 3572 x 1250mm high in combination with 423 x 995mm high on both sides of door (Block A - Type 82)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
152	Double door size 1700 x 2100mm high with two sidelights size 350 x 2100mm high and 350 x 2100mm high on both sides of door with toplight 2400x 705mm high (Block D - Type 12)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
153	Double door size 1700 x 2100mm high with two sidelights size 1043 x 2100mm high and 495 x 2100mm high on both sides of door with toplight 3236 x 705mm high (Block D - Type 13)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

154	Double door size 1840 x 2100mm high A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1	
155	Double door size 1840 x 2100mm high with two sidelights size 250 x 1760mm high and 4310 x 1760mm high on both sides of door and top light 6400 x 1810mm high (Block A - Type 64) A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1	
156	Double door size 1840 x 2100mm high with two sidelights size 280 x 1760mm high and 280 x 1760mm high on both sides of door with toplight 2400 x 705mm high (Block D - Type 14) A : 0 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1	
157	Double door size 1840 x 2100mm high with two sidelights size 280 x 2100mm high and 280 x 2100mm high on both sides of door with toplight 2400 x 705mm high (Block D - Type 15) A : 0 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1	
158	Double door size 1840 x 2100mm high with two sidelights size 300 x 2100mm high and 300 x 2100mm high on both sides of door (Block E - Type 15, 16) A : 0 B : 0 C : 0 D : 0 E : 2 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	2	
159	Double door size 1840 x 2100mm high with two sidelights size 348 x 1760mm high and 1832 x 1760mm high on both sides of door (Block D - Type 20) A : 0 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1	
Carried to Collection				R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork				

160	Single sliding door size 1200 x 2100mm high with one sidepanel size 560 x 2100mm high (Block A - Type 20) A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
161	Single sliding door size 1200 x 2100mm high with two sidepanels size 1300 x 2100mm high and 310 x 2100mm and top light 2810 x 2065mm high (Block A - Type 61) A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
162	Single sliding door size 1000 x 2100mm high with two sidepanels size 1000 x 2100mm high and 1000 x 2100mm and top light 3019 x 1300mm high (Block A - Type 95) Automatic door system as per manufacturer specifications to be included A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
163	Single sliding door size 1000 x 2100mm high with two sidepanels size 1210 x 2100mm high and 370 x 2100mm and top light 2790 x 1300mm high (Block A - Type 96) Automatic door system as per manufacturer specifications to be included A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
164	Single sliding door size 1200 x 2100mm high with one sidepanel size 2040 x 2100mm high with toplight 3240 x 705mm high (Block D - Type 22) A : 0 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork					R

165	Single sliding door size 1200 x 2100mm high with one sidepanel size 1130 x 2100mm high with toplight 2330 x 705mm high (Block D - Type 23)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
166	Single sliding door size 1200 x 2100mm high with one sidepanel size 2450 x 2100mm high (Block E - Type 32)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
167	Single sliding door size 1200 x 2100mm high with two sidepanel size 3045 x 2100mm high and 2215 x 2100mm high (Block E - Type 35)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
168	Single sliding door size 1450 x 2100mm high with two sidepanel size 2376 x 2100mm high and 2376 x 2100mm high (Block J - Type 19)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
169	Double sliding door size 2000 x 2100mm high with two sidelights size 1000 x 2100mm high and 1000 x 2100mm high on both sides of door with toplight 4000 x 705mm high (Block A - Type 28) Automatic door system as per manufacturer specifications to be included	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

174	Double sliding door size 2000 x 2100mm high with two sidelights size 2550 x 2100mm high and 2550 x 2100mm high on both sides of door with toplight 7098 x 1300mm high (Block A - Type 80) Automatic door system as per manufacturer specifications to be included	No	1
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		
	<u>ALUMINIUM WINDOWS</u>		
	<u>Standard colour polyester powder coated aluminium windows with 6mm clear safety glass for all panels.</u> <u>All windows with and including standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications and drawings and specifications annexed to the back of these Bills of Quantities (projecting out type)</u>		
175	Purpose made Aluminium window, size 600 x 600mm high.(Block B: Type 7 & 9; Block C: Type 1 & 8; Block D: Type 1 & 20; Block E: Type 1; Block F: Type 1; Block G: Type 2; Block J: Type 2; Block N: Type 1)	No	31
	A : 5 B : 3 C : 3 D : 2 E : 7 F : 3 G : 5 H : 0 J : 2 K : 0 L : 0 M : 0 N : 1 V : 0		
176	Purpose made Aluminium window, size 600 x 1200mm high `(Block A: Type 12; Block B: Type 14 & 16; Block L: Type 1; Block M: Type 9)	No	12
	A : 0 B : 9 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 2 M : 1 N : 0 V : 0		
177	Purpose made Aluminium window, size 600 x 1200mm high `(Block A: Type 12) - Circular on Plan	No	5
	A : 5 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		

Carried to Collection

R

Section No. 3
 SECTION 3 - NEW HOSPITAL
 Bill No. 11
 Metalwork

178	Purpose made Aluminium window, size 600 x 1800mm high. (Block A: Type 11; Block B: Type 32; Block D: Type 2; Block E: Type 3; Block F: Type 10)	No	15
	A : 2 B : 1 C : 0 D : 2		
	E : 8 F : 2 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
179	Purpose made Aluminium window, size 900 x 1800mm high. (Block A: Type 50)	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
180	Purpose made Aluminium window, size 900 x 3150mm high. (Block N: Type 5)	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 2 V : 0		
181	Purpose made Aluminium window, size 900 x 3400mm high. (Block N: Type 6)	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 2 V : 0		
182	Purpose made Aluminium window, size 1126 x 3060mm high. (Block B: Type 6)	No	1
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
183	Purpose made Aluminium window, size 1200 x 600mm high. (Block A: Type 5 & 16; Block B: Type 4 & 5; Block D: Type 13; Block E: Type 4; Block J: Type 3 & 4)	No	33
	A : 7 B : 4 C : 1 D : 7		
	E : 8 F : 3 G : 0 H : 0		
	J : 3 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

184	Purpose made Aluminium window, size 1200 x 1200mm high. (Block A: Type 10 & 31; Block D: Type 4; Block L: Type 3 & 9; Block M: Type 3)	No	28		
	A : 11 B : 0 C : 0 D : 2				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 5 M : 10				
	N : 0 V : 0				
185	Purpose made Aluminium window, size 1200 x 1200mm high. (Block A: Type 10) - Circular on plan	No	5		
	A : 5 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
186	Purpose made Aluminium window, size 1200 x 1800mm high. (Block A: Type 17; Block B: Type 2; Block C: Type 3; Block E: Type 6; Block F: Type 5; Block J: Type 5)	No	13		
	A : 2 B : 6 C : 2 D : 0				
	E : 1 F : 1 G : 0 H : 0				
	J : 1 K : 0 L : 0 M : 0				
	N : 0 V : 0				
187	Purpose made Aluminium window, size 1200 x 2480mm high. (Block B: Type 12)	No	2		
	A : 0 B : 2 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
188	Purpose made Aluminium window, size 1400 x 2480mm high. (Block C: Type 12)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
189	Purpose made Aluminium window, size 1420 x 2480mm high. (Block F: Type 120)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 1 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection				R	
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

190	Purpose made Aluminium window, size 1500 x 600mm high. (Block A: Type 1 & 7; Block C: Type 4; Block F: Type 6; Block G: Type 3 & 6; Block H: Type 4; Block H: Type 2)	No	18
	A : 3 B : 0 C : 2 D : 0		
	E : 0 F : 3 G : 8 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
191	Purpose made Aluminium window, size 1500 x 1200mm high. (Block A: Type 8; Block B: Type 3 & 28; Block D: Type 12; Block H: Type 7; Block L: Type 3; Block M: Type 4)	No	35
	A : 1 B : 18 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 2 M : 12		
	N : 0 V : 0		
192	Purpose made Aluminium window, size 1500 x 1800mm high. (Block A: Type 3; Block C: Type 5; Block D: Type 6)	No	7
	A : 3 B : 0 C : 2 D : 2		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
193	Purpose made Aluminium window, size 1500 x 2480mm high. (Block A: Type 32; Block B: Type 8)	No	13
	A : 4 B : 9 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
194	Purpose made Aluminium window, size 1500 x 2890mm high. (Block A: Type 66)	No	4
	A : 4 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
195	Purpose made Aluminium window, size 1500 x 3060mm high. (Block A: Type 25; Block B: Type 20)	No	3
	A : 1 B : 2 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

196	Purpose made Aluminium window, size 1500 x 3570mm high. (Block A: Type 46)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
197	Purpose made Aluminium window, size 1560 x 2480mm high. (Block G: Type 12)	No	2		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 1 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
198	Purpose made Aluminium window, size 1600 x 3060mm high. (Block D: Type 21)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
199	Purpose made Aluminium window, size 1800 x 600mm high. (Block A: Type 4 & 18; Block C: Type 9; Block D: Type 7; Block E: Type 7 & 14; Block F: Type 3 & 9; Block G: Type 5; Block H: Type 5; Block J: Type 6)	No	34		
	A : 10 B : 0 C : 0 D : 1				
	E : 5 F : 6 G : 4 H : 4				
	J : 4 K : 0 L : 0 M : 0				
	N : 0 V : 0				
200	Purpose made Aluminium window, size 1800 x 1200mm high. (Block A: Type 15; Block B: Type 25; Block D: Type 8; Block E: Type 8; Block F: Type 8; Block G: Type 4; Block H: Type 6)	No	12		
	A : 4 B : 1 C : 0 D : 2				
	E : 2 F : 1 G : 1 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
201	Purpose made Aluminium window, size 1800 x 1800mm high. (Block A: Type 14; Block B: Type 21; Block C: Type 9; Block E: Type 9; Block F: Type 7; Block J: Type 7)	No	38		
	A : 10 B : 6 C : 6 D : 0				
	E : 9 F : 2 G : 0 H : 0				
	J : 5 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection				R	
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

208	Purpose made Aluminium window, size 2160 x 2480 mm high. (Block C: Type 19)	No	1
	A : 0 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
209	Purpose made Aluminium window, size 2300 x 1800mm high. (Block F: Type 18)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 1 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
210	Purpose made Aluminium window, size 2400 x 1200mm high. (Block A: Type 9; Block B: Type 26; Block D: Type 9; Block E: Type 10; Block M: Type 5)	No	24
	A : 3 B : 1 C : 0 D : 2		
	E : 1 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 17		
	N : 0 V : 0		
211	Purpose made Aluminium window, size 2400 x 1800mm high. (Block A: Type 13; Block B: Type 22; Block C: Type 6; Block D: Type 11; Block E: Type 11; Block F: Type 2; Block G: Type 1; Block H: Type 1; Block J: Type 8)	No	93
	A : 10 B : 5 C : 7 D : 17		
	E : 4 F : 14 G : 15 H : 15		
	J : 6 K : 0 L : 0 M : 0		
	N : 0 V : 0		
212	Purpose made Aluminium window, size 2400 x 2890mm high. (Block A: Type 67)	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
213	Purpose made Aluminium window, size 2700 x 2480mm high. (Block A: Type 24; Block B: Type 10; Block E: Type 12; Block F: Type 11; Block G: Type 10; Block H: Type 11)	No	16
	A : 2 B : 5 C : 0 D : 0		
	E : 3 F : 2 G : 2 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
Carried to Collection			
Section No. 3			
SECTION 3 - NEW HOSPITAL			
Bill No. 11			
Metalwork			

R

214	Purpose made Aluminium window, size 2700 x 2890mm high. (Block A: Type 64)	No	5
	A : 5 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
215	Purpose made Aluminium window, size 2700 x 3060mm high. (Block A: Type 48; Block B: Type 24; Block C: Type 14; Block D: Type 23)	No	9
	A : 1 B : 2 C : 2 D : 4		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
216	Purpose made Aluminium window, size 2700 x 2310mm high. (Block A: Type 62)	No	5
	A : 5 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
217	Purpose made Aluminium window, size 3000 x 600mm high. (Block A: Type 2)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
218	Purpose made Aluminium window, size 3000 x 1200mm high. (Block A: Type 20; Block B: Type 19)	No	2
	A : 1 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
219	Purpose made Aluminium window, size 3000 x 1800mm high. (Block A: Type 19; Block C: Type 10)	No	10
	A : 2 B : 0 C : 6 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

220	Purpose made Aluminium window, size 3390 x 3060mm high. (Block C: Type 22)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
221	Purpose made Aluminium window, size 3600 x 2310mm high. (Block A: Type 60)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
222	Purpose made Aluminium window, size 3600 x 2480mm high. (Block A: Type 33)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
223	Purpose made Aluminium window, size 3600 x 2890mm high. (Block A: Type 59)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
224	Purpose made Aluminium window, size 3600 x 3060mm high. (Block A: Type 22; Block B: Type 23; Block C: Type 15; Block D: Type 22; Block J: Type 14)	No	9		
	A : 1 B : 1 C : 4 D : 3				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
225	Purpose made Aluminium window, size 4500 x 1800mm high. (Block A: Type 47)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

226	Purpose made Aluminium window, size 4500 x 2890mm high. (Block A: Type 65)	No	4
	A : 4 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
227	Purpose made Aluminium window, size 4500 x 3060mm high. (Block A: Type 21)	No	3
	A : 3 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
228	Purpose made Aluminium window, size 4500 x 3060mm high. (Block A: Type 21) - Circular on Plan	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
229	Purpose made Aluminium window, size 5400 x 3060mm high. (Block A: Type 30) - Circular on Plan	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
230	Purpose made Aluminium window, size 5430 x 2480mm high. (Block J: Type 10)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
231	Purpose made Aluminium window, size 5762 x 2480mm high. (Block J: Type 11)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

232	Purpose made Aluminium window, size 6300 x 2890mm high. (Block A: Type 57)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
233	Purpose made Aluminium window, size 1200 x 3060mm high overall, consisting of two parts size 840 x 3060mm high and 400 x 3060mm high on corner 90 degree. (Block B: Type 27)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
234	Purpose made Aluminium window, size 2202 x 1800mm high overall, consisting of two parts size 1485 x 1800mm high and 717 x 1800mm high on corner 90 degree. (Block D: Type 14)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
235	Purpose made Aluminium window, size 2006 x 2230mm high overall, consisting of two parts size 600 x 3150mm high and 1558 x 2230mm high on corner 90 degree. (Block N: Type 4)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 1 V : 0				
236	Purpose made Aluminium window, size 2778 x 3150mm high overall, consisting of two parts size 2330 x 3150mm high and 448 x 3150mm high on corner 90 degree. (Block N: Type 2)	No	2		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 2 V : 0				
Carried to Collection					
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

237	Purpose made Aluminium window, size 2778 x 3400mm high overall, consisting of two parts size 2330 x 3400mm high and 448 x 3400mm high on corner 90 degree. (Block N: Type 3)	No	2	
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 2 V : 0			
238	Purpose made Aluminium window, size 2853 x 3060mm high overall, consisting of two parts size 1053 x 3060mm high and 1800 x 3060mm high on corner 90 degree. (Block G: Type 11; Block H: Type 13)	No	2	
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 1 H : 1 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
239	Purpose made Aluminium window, size 3300 x 1800mm high overall, consisting of two parts size 1200 x 1800mm high and 2100 x 1800mm high on corner 90 degree. (Block A: Type 34)	No	1	
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
240	Purpose made Aluminium window, size 6096 x 3060mm high overall, consisting of two parts size 1558x 3060mm high and 4538 x 3060mm high on corner 90 degree. (Block C: Type 20)	No	1	
	A : 0 B : 0 C : 1 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0			
241	Purpose made Aluminium window, size 6300 x 3400mm high overall, consisting of two parts size 3600 x 3400mm high and 2700 x 3400mm high on corner 90 degree. (Block A: Type 23)	No	5	
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 4 K : 0 L : 0 M : 0 N : 0 V : 0			
Carried to Collection				R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork				

242	Purpose made Aluminium window, size 8700 x 1800mm high overall, consisting of three parts size 2100 x 1800mm high, 4500 x 2100mm high and 2100 x 1800mm high on corner 90 degree. (Block A: Type 35) A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
243	Purpose made Aluminium window, size 4500 x 1800mm high overall, consisting of two parts size 2400 x 1800mm high and 2100 x 1800mm high on corner 90 degree. (Block A: Type 27) A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0	No	1		
244	Purpose made Aluminium window, size 3200 x 2480mm high overall, consisting of two parts size 1200 x 2480mm high and 2000 x 2480mm high on corner 90 degree. (Block B: Type 15) A : 0 B : 1 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0 <u>Standard colour polyester powder coated windows glazed with 6mm obscure glass complete with and including ironmongery, sealing, etc and plugged to brickwork or concrete</u>	No	1		
245	Purpose made Aluminium window, size 600 x 600mm high (Block A: Type 6; Block B: Type 7; Block C: Type 1; Block D: Type 5; Block E: Type 1; Block H: Type 3; Block J: Type 1; Block N: Type 1) A : 25 B : 1 C : 9 D : 2 E : 6 F : 0 G : 0 H : 4 J : 1 K : 0 L : 0 M : 0 N : 2 V : 0	No	50		
246	Purpose made Aluminium window, size 600 x 1200mm high. (Block L: Type 1; Block B: Type 14 & 16; Block M: Type 1) A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 4 M : 5 N : 0 V : 0	No	10		
Carried to Collection				R	
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork					

247	Purpose made Aluminium window, size 600 x 1800mm high. (Block E: Type 2; Block M: Type 2)	No	4		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 4				
	N : 0 V : 0				
248	Purpose made Aluminium window, size 1200 x 600mm high. (Block A: Type 16; Block C: Type 2; Block D: Type 3; Block E: Type 5; Block J: Type 3)	No	27		
	A : 7 B : 0 C : 8 D : 2				
	E : 0 F : 5 G : 0 H : 0				
	J : 5 K : 0 L : 0 M : 0				
	N : 0 V : 0				
249	Purpose made Aluminium window, size 1200 x 1200mm high. (Block M: Type 3)	No	9		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 4 M : 4				
	N : 0 V : 0				
250	Purpose made Aluminium window, size 1500 x 600mm high. (Block A: Type 7; Block H: Type 2)	No	14		
	A : 2 B : 0 C : 5 D : 0				
	E : 0 F : 0 G : 0 H : 7				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
251	Purpose made Aluminium window, size 1500 x 1200mm high. (Block L: Type 3; Block M: Type 4)	No	4		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 2 M : 2				
	N : 0 V : 0				
252	Purpose made Aluminium window, size 1800 x 600mm high. (Block A: Type 4)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection				R	
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

258	Purpose made Aluminium window, size 900 x 3315mm high. (Block H: Type 15)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
259	Purpose made Aluminium window, size 900 x 6970mm high. (Block H: Type 17)	No	3
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 3		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
260	Purpose made Aluminium window, size 1000 x 1020mm high. (Block G: Type 9; Block H: Type 10)	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 1 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
261	Purpose made Aluminium window, size 1200 x 600mm high. (Block B: Type 31)	No	1
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
262	Purpose made Aluminium window, size 1200 x 1020mm high. (Block C: Type 21; Block F: Type 14)	No	6
	A : 0 B : 0 C : 4 D : 0		
	E : 0 F : 2 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
263	Purpose made Aluminium window, size 1200 x 1020mm high (Block A: Type 29)	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

264	Purpose made Aluminium window, size 1200 x 1615mm high (Block A: Type 54)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
265	Purpose made Aluminium window, size 1200 x 2890mm high. (Block A: Type 63)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
266	Purpose made Aluminium window, size 1500 x 1020mm high. (Block G: Type 7; Block B: Type 29; Block C: Type 11; Block D: Type 16; Block H: Type 8; Block J: Type 9)	No	46
	A : 0 B : 2 C : 6 D : 11		
	E : 0 F : 0 G : 11 H : 11		
	J : 5 K : 0 L : 0 M : 0		
	N : 0 V : 0		
267	Purpose made Aluminium window, size 1500 x 1019mm high. (Block F: Type 13)	No	10
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 10 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
268	Purpose made Aluminium window, size 1575 x 1020mm high. (Block A: Type 51)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
269	Purpose made Aluminium window, size 1681 x 2380mm high. (Block D: Type 26)	No	1
	A : 0 B : 0 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

270	Purpose made Aluminium window, size 1682 x 1360mm high. (Block A: Type 55)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
271	Purpose made Aluminium window, size 1795 x 1455mm high. (Block C: Type 23)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
272	Purpose made Aluminium window, size 1737 x 1360mm high. (Block A: Type 41)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
273	Purpose made Aluminium window, size 1800 x 600mm high. (Block A: Type 49)	No	3		
	A : 3 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
274	Purpose made Aluminium window, size 1800 x 1360mm high. (Block E: Type 19; Block G: Type 20; Block H: Type 20)	No	6		
	A : 0 B : 0 C : 0 D : 0				
	E : 2 F : 0 G : 2 H : 2				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
275	Purpose made Aluminium window, size 1800 x 1020mm high. (Block A: Type 52)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection				R	
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

276	Purpose made Aluminium window, size 2330 x 3260mm high. (Block M: Type 10)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 1		
	N : 0 V : 0		
277	Purpose made Aluminium window, size 6275 x 1320mm high. (Block B: Type 38)	No	1
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
278	Purpose made Aluminium window, size 1910 x 1020mm high. (Block B: Type 30)	No	1
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
279	Purpose made Aluminium window, size 2000 x 2000mm high. (Block A: Type 58; Block B: Type 13)	No	4
	A : 3 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
280	Purpose made Aluminium window, size 2000 x 3060mm high. (Block J: Type 16)	No	6
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 6 K : 0 L : 0 M : 0		
	N : 0 V : 0		
281	Purpose made Aluminium window, size 4892 x 1375mm high overall (Block J: Type 17)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

282	Purpose made Aluminium window, size 2000 x 7650mm high. (Block A: Type 73)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
283	Purpose made Aluminium window, size 2145 x 2380mm high. (Block D: Type 18)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
284	Purpose made Aluminium window, size 2710 x 1025mm high. (Block A: Type 77)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
285	Purpose made Aluminium window, size 2220 x 995mm high. (Block B: Type 43)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
286	Purpose made Aluminium window, size 2265 x 1615mm high. (Block A: Type 54)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
287	Purpose made Aluminium window, size 2360 x 1020mm high. (Block A: Type 53)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

288	Purpose made Aluminium window, size 2330 x 1020mm high. (Block E; Type 16)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
289	Purpose made Aluminium window, size 2400 x 600mm high. (Block B: Type 31)	No	2		
	A : 0 B : 2 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
290	Purpose made Aluminium window, size 2400 x 1615mm high. (Block M: Type 11)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
291	Purpose made Aluminium window, size 2400 x 1615mm high. (Block L: Type 5)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 1 M : 0				
	N : 0 V : 0				
292	Purpose made Aluminium window, size 2465 x 1615mm high. (Block A: Type 40 & 42)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
293	Purpose made Aluminium window, size 2490 x 1020mm high. (Block M: Type 7)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

294	Purpose made Aluminium window, size 2700 x 600mm high. (Block C: Type 13)	No	1
	A : 0 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
295	Purpose made Aluminium window, size 2700 x 1020mm high. (Block A: Type 37)	No	3
	A : 3 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
296	Purpose made Aluminium window, size 2700 x 1360mm high. (Block F: Type 17; Block B: Type 33; Block D: Type 18; Block H: Type 19)	No	10
	A : 0 B : 2 C : 0 D : 0		
	E : 4 F : 2 G : 0 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
297	Purpose made Aluminium window, size 2800 x 1615mm high. (Block A: Type 43)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
298	Purpose made Aluminium window, size 2994 x 1020mm high. (Block D: Type 19)	No	1
	A : 0 B : 0 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
299	Purpose made Aluminium window, size 3000 x 1005mm high. (Block B: Type 35)	No	1
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

300	Purpose made Aluminium window, size 3000 x 1020mm high (Block F: Type 16)	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 2 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
301	Purpose made Aluminium window, size 3032 x 2480mm high (Block J: Type 12)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 0		
	N : 0 V : 0		
302	Purpose made Aluminium window, size 3100 x 1020mm high. (Block M: Type 16)	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 1		
	N : 0 V : 0		
303	Purpose made Aluminium window, size 3127 x 2295mm high. (Block A: Type 76)	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
304	Purpose made Aluminium window, size 3200 x 1020mm high (Block B: Type 30 & 39)	No	1
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
305	Purpose made Aluminium window, size 3429 x 995mm high. (Block B: Type 42)	No	1
	A : 0 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
Carried to Collection			
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork			

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

306	Purpose made Aluminium window, size 3600 x 620mm high. (Block B: Type 41)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
307	Purpose made Aluminium window, size 3600 x 1360mm high. (Block F: Type 16; Block G: Type 19)	No	4		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 2 G : 2 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
308	Purpose made Aluminium window, size 3600 x 6970mm high. (Block H: Type 18)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
309	Purpose made Aluminium window, size 2265 x 1020mm high overall, consisting of two parts size 620 x 1020mm high and 1645 x 1020mm high on corner 90 degree. (Block G: Type 8; Block H: Type 9)	No	2		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 1 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
310	Purpose made Aluminium window, size 2800 x 1020mm high overall, consisting of two parts size 1200 x 1020mm high and 1600 x 1020mm high on corner 90 degree. (Block E: Type 15)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
311	Purpose made Aluminium window, size 3785 x 2155mm high overall, consisting of two parts size 1555 x 2155mm high and 2230 x 2155mm high on corner 90 degree. (Block M: Type 14)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

312	Purpose made Aluminium window, size 3825 x 2125mm high overall, consisting of two parts size 1935 x 2125mm high and 1890 x 2125mm high on corner 90 degree. (Block M: Type 12)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
313	Purpose made Aluminium window, size 1920 x 1020mm high overall, consisting of two parts size 960 x 1020mm high and 960 x 1020mm high on corner 90 degree. (Block C: Type 17)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
314	Purpose made Aluminium window, size 4190 x 2155mm high overall, consisting of two parts size 2095 x 2155mm high and 2095x 2155mm high on corner 90 degree.(Block M: Type 15)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
315	Purpose made Aluminium window, size 4452 x 1020mm high overall, consisting of two parts size 3060 x 1020mm high and 1392 x 1020mm high on corner 90 degree. (Block E: Type 17)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 1 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
316	Purpose made Aluminium window, size 4500 x 1360mm high. (Block B: Type 34)	No	2		
	A : 0 B : 2 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					
					</

317	Purpose made Aluminium window, size 5620 x 2155mm high overall, consisting of two parts size 2020 x 2155mm high and 3600 x 2155mm high on corner 90 degree.(Block M: Type 13)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
318	Purpose made Aluminium window, size 5565 x 1615mm high overall, consisting of two parts size 3293 x 1615mm high and 2272 x 1615mm high on corner 90 degree.(Block L: Type 4)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 1 M : 0				
	N : 0 V : 0				
319	Purpose made Aluminium window, size 6335 x 2155mm high overall, consisting of two parts size 3500 x 2155mm high and 2835 x 2155mm high on corner 90 degree. (Block M: Type 6)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 1				
	N : 0 V : 0				
320	Purpose made Aluminium window, size 6480 x 1020mm high overall, consisting of two parts size 3690 x 1020mm high and 2790 x 1020mm high on corner 90 degree. (Block B: Type 40)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
321	Purpose made Aluminium window, size 7395 x 7650mm high. (Block B: Type 37)	No	1		
	A : 0 B : 1 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

322	Purpose made Aluminium window, size 6116 x 1020mm high overall, consisting of two parts size 4050 x 1020mm high and 2066 x 1020mm high on corner 90 degree. (Block D: Type 15)	No	1		
	A : 0 B : 0 C : 0 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
323	Purpose made Aluminium window, size 10437 x 600mm high overall, consisting of four parts size 3625 x 600, 2592 x 600, 650 x 600mm high, 2458 x 600mm high and 663 x 600mm. (Block A: Type 56)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
324	Purpose made Aluminium window, size 10478 x 3230mm high overall, consisting of two parts size 7739 x 3230mm high and 2739 x 3230mm high. (Block A: Type 69)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
325	Purpose made Aluminium window, size 12500 x 2980mm high overall, consisting of three parts size 3200 x 2890mm high, 8100 x 2890mm and 1200 x 2890mm high	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
326	Purpose made Aluminium window, size 13918 x 3230mm high overall, consisting of two parts size 1114 x 3230mm high and 12804 x 3230mm high. (Block A: Type 70)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

327	Purpose made Aluminium window, size 4135 x 1455mm high. (Block C: Type 24)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
328	Purpose made Aluminium window, size 4965 x 1455mm high. (Block C: Type 25)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
329	Purpose made Aluminium window, size 4190 x 1455mm high. (Block C: Type 26)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
330	Purpose made Aluminium window, size 4574 x 1455mm high. (Block C: Type 27)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
331	Purpose made Aluminium window, size 5400 x 600mm high. (Block A: Type39)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
332	Purpose made Aluminium window, size 5848 x 5741mm high. (Block H: Type 18)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

333	Purpose made Aluminium window, size 5549 x 1455mm high. (Block C: Type 28)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
334	Purpose made Aluminium window, size 4880 x 1455mm high. (Block C: Type 22)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
335	Purpose made Aluminium window, size 7200 x 1615mm high. (Block A: Type 38)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
336	Purpose made Aluminium window, size 8100 x 3060mm high. (Block H: Type 22)	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
337	Purpose made Aluminium window, size 9900 x 3060mm high. (Block H: Type 21) - Circular on Plan	No	1		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 1				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
338	Purpose made Aluminium window, size 9900 x 5440mm high. (Block A: Type 74)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 11					
Metalwork					

339	Purpose made Aluminium window, size 10857 x 5015mm high. (Block C: Type 18)	No	1		
	A : 0 B : 0 C : 1 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
340	Purpose made Aluminium window, size 16200 x 5440mm high. (Block A: Type 75) - Circular on Plan	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
341	Purpose made Aluminium window, size 23720 x 7650mm high. (Block A: Type 72)	No	2		
	A : 2 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
342	Purpose made Aluminium window, size 25595 x 1360mm high. (Block A: Type 71)	No	1		
	A : 1 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
	<u>Standard colour polyester powder coated aluminium windows with 6mm clear safety glass for all panels.</u> <u>All windows with and including standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications and drawings and specifications annexed to the back of these Bills of Quantities (window including louvre type)</u>				
343	Purpose made Aluminium window, size 900 x 1110mm high including aluminium ventilation louvre panel size 900 x 510mm high. (Block M: Type 18)	No	25		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 25				
	N : 0 V : 0				
	Carried to Collection				
	Section No. 3				
	SECTION 3 - NEW HOSPITAL				
	Bill No. 11				
	Metalwork				

R

344	<p>Purpose made Aluminium window, size 1020 x 1110mm high including aluminium ventilation louvre panel size 1000 x 510mm high. (Block M: Type 17)</p> <p>A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 20 N : 0 V : 0</p> <p><u>Purpose-made aluminium windows as by Finvetro (012 666 8084) to suit required wind load, complete with vacuum sealed double glazed frame in configuration as shown on window schedule and adjustable internal louvres installed as by manufacturer's specification.</u></p> <p><u>Standard colour polyester powder coated aluminium windows with 6mm clear safety glass for all panels. All windows with and including standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications and drawings and specifications annexed to the back of these Bills of Quantities (projecting out type)</u></p>	No	20		
345	<p>Purpose made Aluminium window, size 1500 x 1800mm high. (Block A: Type 3)</p> <p>A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	1		
346	<p>Purpose made Aluminium window, size 2400 x 1800mm high. (Block A: Type 13) - Circular on Plan</p> <p>A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p> <p><u>Sundries</u></p>	No	2		
347	<p>3mm Thick aluminium custom made plate 180mm girth, one time bent and fixed to aluminium window and door frame on both sides including approved sealant</p> <p>A : 4 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	m	4		
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 11 Metalwork					R

SHOWER DOORS

Powder coated aluminium corner glazed shower cubicle panel and door complete with magnetic door catch, handles, handle edge rail, receiving wall rail, hinges, etc and toughened safety glass, complying with SANS 1263 Part 1, 2 or 3 with name of manufacturer permanently marked on each sheet visible after glazing, in accordance with NBR N schedule 1 and SANS 10137:2002. Plugged to tiled walls including pointing all round both sides of frame

- 348 Purpose made 900 x 1830 Shower cubicle doors to be saloon swing doors manufactured using 5mm Cast Acrylic Perspex (colour: Frosted White) fixed between walls using aluminium extrusion. (Block L: Type 5)

No

2

A : 0 B : 0 C : 0 D : 0
 E : 0 F : 0 G : 0 H : 0
 J : 0 K : 0 L : 2 M : 0
 N : 0 V : 0

ALUMINIUM WALL PANEL

2.5mm Thick powder coated mild steel laser cut panels with folded sides fixed to vertical supports (elsewhere measured) with self-drilling screws

- 349 7470 x 7330mm High Aluminium cladding including all fixing frame (elsewhere measured) (See **Drawing HDG-A-043-001** attached to the back of these bills of quantities)

m2

55

A : 55 B : 0 C : 0 D : 0
 E : 0 F : 0 G : 0 H : 0
 J : 0 K : 0 L : 0 M : 0
 N : 0 V : 0

ALUMINIUM LOUVRE UNITS

Standard colour polyester powder coated fixed louvre units fixed to brickwork or concrete

- 350 Purpose made louvre unit size 1800 x 2200mm high.

No

2

Carried to Collection

R

Section No. 3
 SECTION 3 - NEW HOSPITAL
 Bill No. 11
 Metalwork

BURGLAR PROOFING

351

Supply and install burglar proofing at windows (PC Amount of R 2,500.00 per square meter, excluding VAT). Rate to include manufacture, transportation, delivery and installation.

m2

181

A : 13	B : 88	C : 0	D : 16
E : 0	F : 0	G : 0	H : 0
J : 0	K : 0	L : 0	M : 64
N : 0	V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 11
Metalwork

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 11

Metalwork

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

Carried Forward

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 11

Metalwork

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 11

Metalwork

SUMMARY

	Page No	Amount
Brought Forward		R
Total Brought Forward from Page No.	378	
	379	
	380	
	381	
	382	
	383	
	384	
	385	
	386	
	387	
	388	
	389	
	390	
	391	
	392	
	393	
	394	
	395	
	396	
	397	
Carried Forward		R
Section No. 3		
SECTION 3 - NEW HOSPITAL		
Bill No. 11		
Metalwork		

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 11

Metalwork

SUMMARY

	Page No	Amount
Brought Forward		R
Total Brought Forward from Page No.	398	
	399	
	400	
	401	
	402	
	403	
	404	
	405	
	406	
	407	
	408	
	409	
	410	
	411	
	412	
	413	
	414	
	415	
	416	
	417	
Carried Forward		R
Section No. 3		
SECTION 3 - NEW HOSPITAL		
Bill No. 11		
Metalwork		

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 11

Metalwork

SUMMARY

**Page
No**

Amount

Brought Forward

R

Total Brought Forward from Page No.

418

419

420

421

422

423

424

Carried Forward to Summary of Section No. 3

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 11

Bill NO. 11
Metalwork

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>NEW HOSPITAL</u>			
	<u>BILL NO 12</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 142 for JBCC CPAP purposes			
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete (A108)</u>			
1	32mm Thick on floors with steel trowelled finish A : 586 B : 146 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 4 K : 356 L : 125 M : 63 N : 0 V : 0	m2	1 280	
2	75mm High coved skirting A : 101 B : 69 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 8 K : 190 L : 82 M : 52 N : 0 V : 0	m	501	
	<u>SCREEDS</u>			
	<u>1:3 Cement plaster screeds on concrete</u>			
3	30mm Thick on floors A : 5349 B : 2065 C : 1300 D : 1263 E : 887 F : 869 G : 735 H : 1316 J : 712 K : 0 L : 60 M : 1212 N : 70 V : 0	m2	15 837	
	Carried to Collection			
	Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 12 Plastering			
			R	

4	30mm Thick to falls on floors and currents	m2	367
	A : 59 B : 0 C : 46 D : 31		
	E : 71 F : 58 G : 33 H : 33		
	J : 29 K : 0 L : 2 M : 6		
	N : 0 V : 0		

5	Average 80mm Thick on concrete roofs to falls and currents	m2	6 801
	A : 2458 B : 853 C : 603 D : 578		
	E : 488 F : 232 G : 279 H : 683		
	J : 316 K : 65 L : 104 M : 71		
	N : 70 V : 0		

SPECIALIST FLOOR COVERINGS

5mm Thick self-levelling screeds (approved and installed by flooring sub-contractor) on concrete surface beds to obtain a level surface and providing a quality base. Sub surface to be primed and dry (moisture test to be done) to ensure a quality and sound application, all applied in strict accordance with the manufacturer's specifications. (A12, A20, A47)

6	On floors	m2	13 847
	A : 4584 B : 1950 C : 1345 D : 1294		
	E : 958 F : 927 G : 769 H : 1154		
	J : 740 K : 0 L : 62 M : 57		
	N : 6 V : 0		

Screed system formulated specifically for the food and beverage industry, using a multi-functional urethane-urea resin Specifically designed system for surfacing and patching industrial floors exposed to conditions of impact and abrasion at temperatures up to 121°C. To provide excellent protection against attack from chemicals such as strong oxidising agents, organic acids and aromatic solvents while maintaining outstanding resistance to thermal shock and thermal cycling. (A8)

7	On floors	m2	1 118
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 1118		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 12
Plastering

R

8	200mm High coved skirting	m	685
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 685		
	N : 0 V : 0		
	<u>INTERNAL PLASTER</u>		
	<u>One coat 1:4 cement plaster on concrete with steel trowel (D2, D85)</u>		
9	On underside of concrete slabs	m2	1 290
	A : 582 B : 131 C : 7 D : 16		
	E : 21 F : 14 G : 15 H : 239		
	J : 81 K : 67 L : 46 M : 71		
	N : 0 V : 0		
10	On raking soffits of ramps and stairs	m2	203
	A : 15 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 188		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
11	On columns	m2	583
	A : 302 B : 84 C : 40 D : 22		
	E : 43 F : 34 G : 29 H : 29		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
12	On walls	m2	835
	A : 249 B : 34 C : 0 D : 0		
	E : 0 F : 0 G : 265 H : 287		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>One coat 1:6 cement plaster to brickwork with steel trowel (C1)</u>		
13	On walls	m2	30 390
	A : 8994 B : 4968 C : 2281 D : 2239		
	E : 1673 F : 1832 G : 1444 H : 1993		
	J : 1459 K : 663 L : 345 M : 2330		
	N : 171 V : -3		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 12
Plastering

R

14	On circular walls	m2	537
	A : 427 B : 0 C : 101 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 9 K : 0 L : 0 M : 0		
	N : 0 V : 0		
15	On narrow widths	m2	1 226
	A : 354 B : 183 C : 95 D : 93		
	E : 94 F : 64 G : 58 H : 87		
	J : 78 K : 2 L : 15 M : 92		
	N : 11 V : 0		
	<u>One coat 1:6 cement plaster on brickwork with wood float to receive wall tiling (C1)</u>		
16	On walls	m2	6 239
	A : 1327 B : 336 C : 471 D : 493		
	E : 368 F : 441 G : 392 H : 445		
	J : 269 K : 0 L : 168 M : 1490		
	N : 39 V : 0		
17	On narrow widths	m2	157
	A : 31 B : 14 C : 14 D : 12		
	E : 15 F : 13 G : 6 H : 11		
	J : 7 K : 0 L : 7 M : 25		
	N : 1 V : 0		
	<u>EXTERNAL PLASTER</u>		
	<u>One coat 1:6 cement plaster on brickwork (H38)</u>		
18	On walls	m2	13 187
	A : 3286 B : 1365 C : 646 D : 628		
	E : 492 F : 433 G : 333 H : 1060		
	J : 928 K : 736 L : 693 M : 1596		
	N : 415 V : 578		
19	On circular walls	m2	499
	A : 392 B : 0 C : 91 D : 0		
	E : 0 F : 0 G : 0 H : 16		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 12
Plastering

R

20	On narrow widths	m2	539
	A : 171 B : 71 C : 48 D : 34		
	E : 28 F : 27 G : 23 H : 41		
	J : 33 K : 1 L : 6 M : 48		
	N : 8 V : 0		
21	On external sills sloping not exceeding 300mm wide or high	m	1 657
	A : 512 B : 185 C : 155 D : 111		
	E : 91 F : 95 G : 81 H : 126		
	J : 125 K : 4 L : 18 M : 130		
	N : 24 V : 0		
	<u>One coat 1:4 cement plaster on concrete</u>		
22	On projecting and isolated beams	m2	4 357
	A : 1312 B : 507 C : 286 D : 296		
	E : 222 F : 180 G : 132 H : 673		
	J : 286 K : 79 L : 85 M : 263		
	N : 35 V : 0		
23	Ditto, but circular on plan	m2	245
	A : 144 B : 15 C : 75 D : 0		
	E : 0 F : 0 G : 0 H : 11		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
24	On columns	m2	729
	A : 359 B : 28 C : 31 D : 9		
	E : 12 F : 4 G : 31 H : 69		
	J : 29 K : 34 L : 39 M : 0		
	N : 0 V : 82		
25	On narrow widths	m2	819
	A : 327 B : 96 C : 51 D : 45		
	E : 47 F : 28 G : 40 H : 79		
	J : 51 K : 10 L : 11 M : 14		
	N : 18 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 12
Plastering

DIVIDING STRIPS, NOSING STRIPS ETC.

**25mm x 3mm Brass dividing strip cast into screed
(flush with floor finish)**

26	On floors				m	197
	A : 102	B : 17	C : 17	D : 10		
	E : 12	F : 11	G : 9	H : 13		
	J : 6	K : 0	L : 0	M : 0		
	N : 0	V : 0				

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 12
Plastering

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 12

Plastering

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

429

430

431

432

433

434

Carried Forward to Summary of Section No. 3

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 12
Plastering

Item No	Quantity	Rate	Amount
<u>SECTION 3</u> <u>NEW HOSPITAL</u> <u>BILL NO 13</u> <u>TILING</u> <u>PREAMBLES</u> <u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u> <u>TRADE NAMES</u> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <u>DETAIL DESCRIPTION AND SPECIFICATION</u> <p><u>Note:</u> It is the responsibility of the specialist tiler to study the drawings and design and to allow for the design and execution of special fixing accessories, expansion joints, etc</p> <u>GENERAL PREAMBLES</u> <p>Samples - With reference to all items and colour schemes: Samples off all items is to be presented for approval prior to any bulk orders. Please take note that most items will have at least six week delivery period, these approvals will only take place at dates off site meetings, the samples need to be approved well in advance to avoid any delays with lead time on orders. All samples must remain in the sample room for the duration of the contract.</p> <p>Mock up rooms – all wall and floor finishes must be prepared in advance as part of a mock up room/rooms and at least a 100 square meter of vinyl flooring will serve as a sample floor</p> <p><u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 144 for JBCC CPAP purposes</i></p> <p>_____</p>			
Carried to Collection			R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 13 Tiling			

WALL TILING

Provide the PC amount of R400.00/m² supplied and delivered to site for 300 x 600mm porcelain wall tiles with 2mm joints fixed to walls with approved tile adhesive to plastered walls and waterproof tile grouting to joints (C2, C4, C31)

1	On walls	m2	6 058
	A : 1257 B : 308 C : 456 D : 483		
	E : 359 F : 433 G : 385 H : 440		
	J : 264 K : 0 L : 167 M : 1474		
	N : 32 V : 0		
2	On narrow widths	m2	157
	A : 31 B : 14 C : 14 D : 12		
	E : 15 F : 13 G : 6 H : 11		
	J : 7 K : 0 L : 7 M : 25		
	N : 1 V : 0		
3	On walls in splashbacks	m2	181
	A : 71 B : 27 C : 15 D : 10		
	E : 9 F : 8 G : 7 H : 5		
	J : 5 K : 0 L : 1 M : 16		
	N : 7 V : 0		

FLOOR TILING

Provide the PC amount of R400.00/m² supplied and delivered to site for 600 x 600mm Double charged vitrified full body porcelain floor tiles with 2mm wide grouting joints complete with rectangular borders and diagonal infill panels, install with a proprietary tile adhesive as recommended by tile manufacturer on well-prepared screed (elsewhere measured) to suit required level. Finish all joints with a proprietary waterproof grout as recommended by the manufacturer. All strictly to manufacturer's specifications. Colour and type to Architect's approval (A3)

4	On floors	m2	707
	A : 644 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 63 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 13
Tiling

5	100mm High cut skirting tile	m	382	
	A : 319 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 63 V : 0			
6	Ditto, but circular on plan	m	5	
	A : 5 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
	<u>Provide the PC amount of R450.00/m² supplied and delivered to site for 600 x 600mm Double charged vitrified full body porcelain floor tiles with 2mm wide grouting joints complete with rectangular borders and diagonal infill panels, install with a proprietary tile adhesive as recommended by tile manufacturer on well-prepared screed (elsewhere measured) to suit required level. Finish all joints with a proprietary waterproof grout as recommended by the manufacturer. All strictly to manufacturer's specifications. Colour and type to Architect's approval (A49)</u>			
7	On floors	m ²	456	
	A : 146 B : 115 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 195			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
8	100mm High cut skirting tile	m	304	
	A : 94 B : 64 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 147			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
	<u>SUNDRIES</u>			
9	External aluminium straight edge as by KIRK Marketing (Code: 686) or similar approved	m	1 318	
	A : 205 B : 105 C : 134 D : 128			
	E : 119 F : 137 G : 43 H : 117			
	J : 57 K : 0 L : 57 M : 211			
	N : 5 V : 0			

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 13
Tiling

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 13

Tiling

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

436

437

438

439

Carried Forward to Summary of Section No. 3

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 13
Tiling

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u></p> <p><u>NEW HOSPITAL</u></p> <p><u>BILL NO 14</u></p> <p><u>INTERNAL PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p><u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u></p> <p><u>TRADE NAMES</u></p> <p>Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Concrete pipes</u></p> <p>Pipes shall be jointed with interlocking joints</p> <p><u>UPVC pipes and fittings</u></p> <p>Soil, waste and vent pipes and fittings shall be tempered, chemical resistant pipes with butt welded joints</p> <p><u>UPVC pressure pipes and fittings</u></p> <p>Pipes for water and fire supply shall be High Impact uPVC of the Class stated</p> <p>Pipes shall have cast iron clamped joints. Fittings shall be galvanised mild steel with clamped joints</p> <p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers, Capillary solder fittings shall comply with ISO 2016.</p>			
	Carried to Collection		R	
	<p>Section No. 3</p> <p>SECTION 3 - NEW HOSPITAL</p> <p>Bill No. 14</p> <p>Internal Plumbing & Drainage (Provisional)</p>			

Fixing of pipes

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level

Lead pipes and fittings

All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Wire gratings

Descriptions of gutter outlets, etc shall be deemed to include wire balloon gratings

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "Hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions and the Engineer's drawings.

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

R

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:

- SABS 1200 L: Medium-pressure pipelines
- SABS 1200LD: Sewers
- SABS1200LE: Stormwater drainage

Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches)

Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)

Flush pans

Flush pans shall have straight or side outlets and "P" or "S" traps as necessary

Stainless steel basins, sinks, wash troughs, urinals, etc

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Waste unions

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings

Steel sectional water tanks

Tanks shall comply with SABS CKS 114

Petrolatum anti-corrosion tape

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

Prices for wrapping of pipes shall include for all work as described to couplings in the length

Paper lagging

Prices for piping must include for all piping not exceeding 30mm to be wrapped with two layers of stout brown paper and tied with wire prior to building in

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

R

NOTE: The following items shall be deemed to fall into Work Group No 148 for JBCC CPAP purposes

RAINWATER DISPOSAL

uPVC pipes

1	110mm Pipes cast in concrete or built into brickwork	m	10
	A : 0 B : 2 C : 0 D : 0		
	E : 2 F : 2 G : 2 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

2	110mm Pipes fixed to side of concrete or brickwork	m	723
	A : 279 B : 101 C : 79 D : 61		
	E : 40 F : 24 G : 10 H : 40		
	J : 38 K : 10 L : 7 M : 14		
	N : 20 V : 0		

3	110mm Pipes fixed to underside of concrete	m	268
	A : 69 B : 34 C : 23 D : 34		
	E : 30 F : 29 G : 12 H : 18		
	J : 8 K : 3 L : 1 M : 3		
	N : 3 V : 0		

Extra over uPVC pipes for fittings

4	110mm Bend	No	741
	A : 258 B : 108 C : 80 D : 72		
	E : 50 F : 25 G : 14 H : 30		
	J : 44 K : 12 L : 8 M : 16		
	N : 24 V : 0		

"Fullbore" outlets

5	110mm 180 degrees centre bolt concrete roof outlet with dome grating, saint-gobain no 3505 or similar approved	No	179
	A : 61 B : 25 C : 20 D : 18		
	E : 12 F : 7 G : 3 H : 7		
	J : 11 K : 3 L : 2 M : 4		
	N : 6 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

SANITARY FITTINGS

NOTE: All sanitary fittings shall be sealed next to walls, fitting sides and shelves with an approved type non-fungal sustaining white silicon

0,8mm Stainless steel type 403 (17/10)

- 6 Franke 0,8mm Grade 403 17/10 stainless steel ET102 double wash trough (Code: 2560005), size 1030 x 430 x 348mm deep with sloped front, wash ridges and 40mm waste outlet, fixing lugs (elsewhere measured).

No

2

A : 0 B : 0 C : 0 D : 0
 E : 0 F : 0 G : 0 H : 0
 J : 0 K : 0 L : 0 M : 2
 N : 0 V : 0

0,9mm Stainless steel type 304 (18/10)

- 7 Franke 0,9mm Grade 304 18/10 stainless steel LDL Luxtub (Code: 2560001), size 600 x 500 x 257mm deep with pressed bowl size 525 x 425 x 257mm deep and 40mm waste outlet, Falcon galvanised mild steel bracket with 25mm square mild steel front leg (Code: 2120007) (Code: 2120003) bolted to wall with 6mm anchor bolts.

No

1

A : 0 B : 0 C : 0 D : 1
 E : 0 F : 0 G : 0 H : 0
 J : 0 K : 0 L : 0 M : 0
 N : 0 V : 0

1,2mm Stainless steel type 304 (18/10)

- 8 Franke 1,2mm Grade 304 18/10 stainless steel S2 catering sink (Code: 2620005), size 1500 x 650 x 1050mm with 2No. 500 x 500 x 230mm deep pressed bowls, 150mm high integral splashback to rear, 50 x 10mm turndown and 40mm waste outlet, stainless steel solid undershelf (Code: 2620043), size 1500 x 420mm wide, underside sprayed with vermin proof bitumastic sound deadening, fixed to wall with anchor bolts 900mm from finished floor level and supported on 2No. detachable Grade 304 (18/10) stainless steel round legs (Code: 354700), size 41mm diameter x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces.

No

3

A : 3 B : 0 C : 0 D : 0
 E : 0 F : 0 G : 0 H : 0
 J : 0 K : 0 L : 0 M : 0
 N : 0 V : 0

Carried to Collection

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 14

Internal Plumbing & Drainage (Provisional)

9	<p>Franke 1,2mm Grade 304 18/10 stainless steel Oval A wash hand basin (Code: 2520029), size 420 x 340 x 185mm deep with a one piece pressed bowl, with two tapholes, 50mm splashback and 100mm radiused apron and 40mm waste outlet, fixed to wall with 4 x 6mm stainless steel anchor bolts.</p> <p>A : 11 B : 4 C : 5 D : 8 E : 4 F : 4 G : 4 H : 4 J : 5 K : 0 L : 0 M : 8 N : 0 V : 0</p>	No	57		
10	<p>Franke 1,2mm Grade 304 18/10 stainless steel PP plaster of paris preparation sink (Code: 2630032), size 1500 x 550 x 1064mm with 525 x 425 x 258mm deep left hand pressed preparation bowl, 150mm high integral splashback, 250 x 535mm deep waste cylinder with stainless steel lid and removable strainer with 40mm waste outlet connected to Cobra chromium plated bottle trap (Code: 345/40), connected to 15mm water supply, fixed to wall and supported on Grade 304 (18/10) stainless steel square gallows brackets with detachable front leg (Code: 2120035), size 40 x 40 x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces.</p> <p>A : 2 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	2		
11	<p>Franke Grade 304 18/10 stainless steel BR6 bedpan and bottle rack (Code: 2630017) for 6No. pans and 7No. bottles, size 960 x 350 x 500mm with rubber grommets fitted to ends of 8mm diameter bottle rods, removable drip tray with 19mm spigot outlet, fixed to wall with 4No. anchor bolts and flat bar mounting brackets.</p> <p>A : 4 B : 1 C : 1 D : 2 E : 1 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	13		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

12	<p>Franke Deko 260 instrument washer-disinfector (Code: 2800003), size 650 x 625 x 1850mm high with 5No program stations, LED indicators, single door, 3No rotating wash arms, dryer with air filter, 20mm outlet, connected to 15mm hot and cold water supply and 230 volt electric power supply.</p> <p>A : 0 B : 0 C : 0 D : 1 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	1		
13	<p>Medhold Medical (011 975 0633) Getinge FD1800 450mm x 580mm x 1320mm Front loaded flusher disinfector used for bedpans and urinals stainless steel chamber internal steam generator rotating and fixed nozzles 3 programs, economy, normal and intensive rinse, wash, disinfect and drying cycles</p> <p>A : 2 B : 0 C : 1 D : 2 E : 1 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	10		
14	<p>Kwikot Model UTU1000X single end post formed urine test unit size 1000 x 595mm manufactured in 1,2mm grade 304 stainless steel with a 12mm splash back to back, flat top (no fluting) hospital bead only, bowl size 410 x 350 x 150mm deep with a 12mm splashback at rear complete with one PVC combination overflow fitting with anti theft plug</p> <p>A : 0 B : 5 C : 2 D : 0 E : 1 F : 1 G : 0 H : 0 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	10		
15	<p>Slop Hopper with cowling size 535 x 685 x 510mm high manufactured from 304 (18/10) stainless steel 1.2mm thick with a 100mm high integral splash back to rear and both sides. The cone has integral flushing rim and 100mm Diameter stainless steel S or P trap. Unit fitted with a back entry flush pipe for a standard flush valve. Unit fitted with a hinged bucket grid manufactured from 10mm diameter 304 (18/10) complete with two 40 x 40mm square stainless steel wall mounting gallows brackets fixed with 4 of anchor bolts. Slop hopper supplied complete with floor mounting bracket as per manufacturers specification</p> <p>A : 4 B : 2 C : 1 D : 1 E : 2 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 2 N : 0 V : 0</p>	No	16		
<div>Carried to Collection</div>					
<div>Section No. 3</div> <div>SECTION 3 - NEW HOSPITAL</div> <div>Bill No. 14</div> <div>Internal Plumbing & Drainage (Provisional)</div>					
					R

16	Single centre bowl special post formed sink size 900 x 595mm manufactured in 1.2mm grade 304 stainless steel bowl size 410 x 350 x 150mm deep with a 12mm splashback at rear complete with PVC combination overflow fitting with anti theft plug and back entry spreader fitted to bowl on right hand side.	No	34
	A : 12 B : 8 C : 1 D : 3 E : 2 F : 2 G : 2 H : 2 J : 2 K : 0 L : 0 M : 0 N : 0 V : 0		
17	Double end special post formed sink size 1200 x 595 manufactured in 1.2mm grade 304 stainless steel bowl size 410 x 350 x 150mm deep single left hand bowl sink with a 12mm splashback at rear complete with PVC combination overflow fitting with anti theft plug and back entry spreader fitted to bowl on right hand side.	No	13
	A : 2 B : 2 C : 0 D : 2 E : 1 F : 1 G : 0 H : 1 J : 1 K : 0 L : 1 M : 2 N : 0 V : 0		
	<u>1,6mm Stainless steel type 304 (18/10)</u>		
18	Franke 1,6mm Grade 304 18/10 stainless steel SMS surgeon mini scrub-up unit (Code: 2630049), size 665 x 554 x 561mm with 525 x 425 x 258mm deep pressed bowl, 300mm high integral splashback, 2No. 22mm tap holes, 90mm waste outlet, basket strainer fitting, connected to 15mm water supply, fixed to removable 1,6mm thick galvanised mild steel fixing plate and bolted to wall with anchor bolts 900mm from finished floor level.	No	6
	A : 0 B : 0 C : 6 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

19	<p>Franke 1,6mm Grade 304 18/10 stainless steel SSW12 hospital surgeon scrub-up unit (Code: 2630044), size 1200 x 460 x 555mm with radiused internal corners, front and side of unit to be of double walled construction with inner wall sprayed with vermin proof bitumastic sound deadening approximately 2mm thick, 150mm high integral splashback, 40mm waste outlet connected to Cobra chromium plated bottle trap (Code: 345/40), connected to 15mm water supply, fixed tor removable 2mm thick galvanised mild steel fixing plate and bolted to wall with anchor bolts 900mm from finished floor level.</p> <p>A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	3	
20	<p>Franke 1,6mm Grade 304 18/10 stainless steel SSW15 hospital surgeon scrub-up unit (Code: 2630045), size 1500 x 460 x 555mm with radiused internal corners, front and side of unit to be of double walled construction with inner wall sprayed with vermin proof bitumastic sound deadening approximately 2mm thick, 150mm high integral splashback, 40mm waste outlet connected to Cobra chromium plated bottle trap (Code: 345/40), connected to 15mm water supply, fixed tor removable 2mm thick galvanised mild steel fixing plate and bolted to wall with anchor bolts 900mm from finished floor level.</p> <p>A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	3	

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

21	<p>Franke 1,6mm Grade 304 18/10 stainless steel EC6 combination bedpan and wash-up sink (Code: 2630002), size 1830 x 685mm with one pressed seamless sluice bowl with integral flushing rim and one 610 x 460 x 230mm deep left hand pressed seamless rinse bowl, 150mm high integral splashback, 15mm deep hospital bead, 100mm apron, 110mm waste outlet connected to S or P trap (elsewhere specified) on sluice bowl and 40mm waste outlet connected to Cobra chromium plated bottle trap (Code: 345/40) on rinse bowl, unit supplied complete with factory fitted Cobra FM 1,00 flush valve connected to 35mm water supply, CP171/041 pillar mixer with over-arm swivel spout, CP297 pillar mixer with retractable hand spray, 15mm bedpan and bottle spray nozzle activated by 2No 15mm quarter turn elbow action valves, fixed to wall and supported on Grade 304 (18/10) stainless steel square gallows brackets with detachable front leg (Code: 2120035), size 40 x 40 x 1,2mm thick, fitted with chrome plated adjustable flanged foot pieces.</p> <p>A : 5 B : 1 C : 1 D : 2 E : 1 F : 1 G : 1 H : 1 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0</p> <p><u>White glazed vitreous china</u></p>	No	14	
22	<p>Vaal Sanitaryware Sola 630 fine fireclay wall hung basin colour White (Code: 702800WH), overall size 630 x 500 x 200mm without tapholes, bolted to wall with concealed wall bracket (Code: 8131Z300) and 3No.10mm bolts (Code: 8448Z000) and sealed with silicone sealant where basin meets wall.</p> <p>A : 28 B : 43 C : 14 D : 15 E : 15 F : 14 G : 12 H : 12 J : 14 K : 0 L : 0 M : 4 N : 0 V : 0</p>	No	171	
23	<p>Vaal Sanitaryware Lab Sink ceramic fireclay laboratory sink colour White (code: 234500), size 435 x 335mm with waste outlet including acid resistant waste fitting (code: 8790Z000) fitted underneath opening in worktop surface (by others) on and including two adjustable under slung brackets (code: 8109Z000).</p> <p>A : 0 B : 5 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	5	
Carried to Collection				
<p>Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 14 Internal Plumbing & Drainage (Provisional)</p>				R

24	Vaal Sanitaryware Hibiscus vitreous china wall hung basin colour White (Code: 702303WH), overall size 510 x 405mm with two tapholes including integrated overflow and chainstay hole, bolted to wall with 2No.10mm bolts (Code: 8448Z000) and sealed with silicone sealant where basin meets wall.	No	112
	A : 17 B : 8 C : 9 D : 9 E : 14 F : 13 G : 12 H : 12 J : 7 K : 0 L : 5 M : 6 N : 0 V : 0		
25	Vaal Sanitaryware Bantam vitreous china cloakroom basin colour White (Code: 703003WH), overall size 455 x 290 x 210mm with two tapholes including integrated overflow and chainstay hole, bolted to wall with 2No.10mm bolts (Code: 8448Z000) and sealed with silicone sealant where basin meets wall.	No	27
	A : 7 B : 5 C : 1 D : 3 E : 2 F : 1 G : 1 H : 1 J : 1 K : 0 L : 2 M : 1 N : 2 V : 0		
26	Vaal Sanitaryware Parktown vitreous china 90° outlet closed rim back inlet pan colour White (Code: 431600WH), overall size 580 x 350 x 400mm high with Parktown Signature seat (Code: 8544Z000) with concealed back inlet flushvalve (elsewhere specified).	No	82
	A : 25 B : 5 C : 9 D : 13 E : 4 F : 5 G : 5 H : 5 J : 1 K : 0 L : 4 M : 4 N : 2 V : 0		
27	Vaal Sanitaryware Protea Paraplegic washdown suite comprising 90° outlet open rim pan (code: 750201WH) including lid and fitments with heavy duty seat	No	67
	A : 13 B : 7 C : 6 D : 3 E : 9 F : 7 G : 6 H : 6 J : 5 K : 0 L : 3 M : 2 N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

28	Vaal Sanitaryware 600 x 385 x 380mm Lavatera white vitreous china wall mounted urinal (Code: 705427WH) including 38mm chromium plated domical grating (Code: 8787Z0) and chromium plated back inlet spreader (Code: 7054Z2), fixed on and including two hanger brackets (Code: 8127Z0).	No	5		
	A : 3 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 2 M : 0 N : 0 V : 0				
29	Cobra salon basin semi recessed 470mm x 500mm (Code: COB-VSI-SAL-050-NA-L-WHI)	No	1		
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
30	Purpose made washbowl size 525 x 370 x 115mm deep complete with under mounted hand washbowl (bowl product code WAVONITELOVALBWL), all in accordance with the manufacturer's specifications. (Max on Top 082 789 3580)	No	19		
	A : 7 B : 5 C : 2 D : 3 E : 2 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
<u>Baths</u>					
31	"Plexicor Carmen 1200" rectangular bath BRC-CAR-120-NH-L-WHI, with seat, overall size 1200 x 700 x 390mm high supported on 38 x 38mm timber battens fixed to adjacent walls and bed in 1:5 cement mortar on a brick bed, three bricks wide for full length of bath with the void between the bath and enclosing wall filled with 1:10 uncompacted cement mix and point all round with mildew resistant silicone between bath and tiles, all in accordance with the manufacturer's specifications.	No	3		
	A : 0 B : 0 C : 0 D : 0 E : 3 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 14 Internal Plumbing & Drainage (Provisional)				R	

32	<p>Purpose made baby bath size 680 x 430 x 175mm overall high from Avonite Solid Surfacing integrated into solid surface top complete with under mounted bath (bath product code WAVONITEBABYBATH), all in accordance with the manufacturer's specifications. (Max on Top 082 789 3580)</p> <p>A : 0 B : 0 C : 0 D : 4 E : 2 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	6		
33	<p>Shower Trolley (Code: BAB500-01) complete with thermostatic mixer for shower and disinfection with flush valve (Code: BCA1221-04) and flush sink of stainless steel S-trap (Code: 080015-54) (Arjo Huntleigh 012-527 2000)</p> <p>A : 0 B : 0 C : 0 D : 0 E : 1 F : 1 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	2		
<u>WASTE UNIONS, ETC</u>					
<u>Chromium plated</u>					
34	<p>32mm Unslotted waste (Code: 308) with 62mm diameter flange, 80mm long shank and plug.</p> <p>A : 0 B : 5 C : 0 D : 3 E : 2 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	10		
35	<p>32mm Unslotted waste (Code: 308) with 62mm diameter flange, 80mm long shank with backnut, anti-theft plug (code: 309-32)</p> <p>A : 7 B : 0 C : 2 D : 4 E : 2 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0</p>	No	15		
36	<p>32mm Slotted waste (Code: 303) with 62mm diameter flange, 80mm long shank and plug.</p> <p>A : 28 B : 43 C : 14 D : 15 E : 15 F : 14 G : 12 H : 12 J : 14 K : 0 L : 0 M : 4 N : 0 V : 0</p>	No	171		
Carried to Collection					
<p>Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 14 Internal Plumbing & Drainage (Provisional)</p>				R	

37	32mm Slotted waste (Code: 303) with 62mm diameter flange, 80mm long shank with backnut, anti-theft plug (code: 309-32)	No	139
	A : 24 B : 13 C : 10 D : 12		
	E : 16 F : 14 G : 13 H : 13		
	J : 8 K : 0 L : 7 M : 7		
	N : 2 V : 0		
38	40mm Chrome plated slotted waste (Code: 316) with 70mm diameter flange, 45mm long shank, plug, chain and stay.	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
39	40mm Chrome plated unslotted waste (Code: 317-40) with 70mm diameter flange, 45mm long shank, plug, chain and stay.	No	75
	A : 23 B : 4 C : 11 D : 8		
	E : 4 F : 4 G : 4 H : 4		
	J : 5 K : 0 L : 0 M : 8		
	N : 0 V : 0		
40	40mm Chrome plated unslotted waste (Code: 317-40) with 70mm diameter flange, 45mm long shank with backnut, anti-theft plug (code: 309-32)	No	79
	A : 24 B : 17 C : 3 D : 8		
	E : 5 F : 5 G : 2 H : 4		
	J : 5 K : 0 L : 2 M : 4		
	N : 0 V : 0		
41	40mm Chrome plated slotted waste (Code: 317-40) with 62mm diameter flange, 45mm long shank and plug.	No	4
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 4		
	N : 0 V : 0		
42	40mm Chrome plated anti-theft plug (code: 309-40)	No	3
	A : 0 B : 0 C : 0 D : 0		
	E : 3 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

Stainless Steel

43	Polydrain ACO shower drain with 50mm side outlet stainless steel drain body with removable foul air trap and nylon vinyl clamps (Code: 405819) including grade 304 stainless steel perforated grating (Code: 403234), connected to 50mm waste pipe, installed with the manufacturer's recommendations.	No	72
	A : 8 B : 0 C : 12 D : 7 E : 7 F : 10 G : 8 H : 8 J : 5 K : 0 L : 2 M : 5 N : 0 V : 0		
44	Polydrain ACO shower drain with 50mm side outlet stainless steel drain body with removable foul air trap and nylon vinyl clamps (Code: 405821) including grade 304 stainless steel perforated grating (Code: 405156), connected to 50mm waste pipe, installed with the manufacturer's recommendations.	No	1
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 1 K : 0 L : 0 M : 0 N : 0 V : 0		
45	Standard 200mm stainless steel floor trap with double water seal or equal approved, cast into floor slab to be flush with the floor finish (floor finish to be sloped towards floor drains) All installed strictly to manufacturers specifications (FD001)	No	2
	A : 0 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 2 N : 0 V : 0		
46	Standard 280mm stainless steel floor trap with double water seal or equal approved, cast into floor slab to be flush with the floor finish (floor finish to be sloped towards floor drains) All installed strictly to manufacturers specifications (FD002)	No	2
	A : 1 B : 0 C : 0 D : 0 E : 0 F : 0 G : 0 H : 0 J : 0 K : 0 L : 1 M : 0 N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

TRAPS, ETC**Rubber**

47	40mm Combination overflow and waste	No	3
	A : 0 B : 0 C : 0 D : 0		
	E : 3 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Brass

48	40mm Shallow seal bath P trap with FI outlet and two cleaning eyes	No	3
	A : 0 B : 0 C : 0 D : 0		
	E : 3 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Chromium plated

49	40mm Deep seal bottle trap with outlet for 50mm PVC (code: 345/50)	No	335
	A : 59 B : 61 C : 26 D : 34		
	E : 35 F : 28 G : 25 H : 25		
	J : 22 K : 0 L : 7 M : 11		
	N : 2 V : 0		
50	40mm Deep seal bottle trap with outlet for 50mm PVC (code: 365/50)	No	164
	A : 51 B : 21 C : 14 D : 16		
	E : 9 F : 9 G : 6 H : 8		
	J : 10 K : 0 L : 4 M : 16		
	N : 0 V : 0		

TAPS, VALVES, ETC**Sundries**

51	Cobra Watertech Carina Chrome sink mixer, with retractable hand spray (Code: 297CA), installed in accordance with the manufacturers recommendations.	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

57	Cobra Watertech Stella Chrome shower under wall stop tap (Code: 3338ST-15), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	26
	A : 6 B : 0 C : 6 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 4 M : 10		
	N : 0 V : 0		
58	Cobra Watertech Stella Chrome extended bibtap (Code: 3306ST/EXT-15), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	32
	A : 8 B : 4 C : 2 D : 2		
	E : 4 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 0 M : 4		
	N : 0 V : 0		
59	Cobra Watertech Stella Chrome bibtap (Code: 3306ST-15), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	10
	A : 0 B : 0 C : 0 D : 2		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 8		
	N : 0 V : 0		
60	Cobra Watertech Stella Chrome bibtap (Code: 3309ST), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	22
	A : 4 B : 0 C : 2 D : 6		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		
61	Cobra Watertech Chrome shower arm (Code:026), size 68mm long.	No	13
	A : 3 B : 0 C : 3 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 2 M : 5		
	N : 0 V : 0		
62	Cobra Watertech Chrome shower rose (Code:KP2.51)	No	13
	A : 3 B : 0 C : 3 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 2 M : 5		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

63	Cobra Watertech Medical Elbow Action Chrome medical mixer (Code: 510-21), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	2
	A : 2 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
64	Cobra Watertech Medical Elbow Action pillar-type mixer with swan-neck swivel outlet (Code: 515-21), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	10
	A : 0 B : 5 C : 0 D : 3		
	E : 2 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
65	Cobra Watertech Medical Elbow Action wall-type mixer with aerated swan-neck swivel outlet (Code: 515/055-21), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	171
	A : 28 B : 43 C : 14 D : 15		
	E : 15 F : 14 G : 12 H : 12		
	J : 14 K : 0 L : 0 M : 4		
	N : 0 V : 0		
66	Walker Croswellar, Rada 320 OEM thermostatic mixing valve complete hose station with Rada 320 OEM thermostatic mixing valve, 15meters 20mm hose, hose rack and hose trigger gun as by Walker Croswellar. Installed strictly to manufacturers specifications.	No	4
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 1 M : 2		
	N : 0 V : 0		
67	20mm Chromium plated Strata built-in thermostatic shower mixer with cover plate (Code: SA-862MEDI).	No	66
	A : 3 B : 0 C : 9 D : 12		
	E : 12 F : 9 G : 8 H : 8		
	J : 5 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

68	Cobra Watertech Chrome Standard Flushmaster exposed toilet flush valve (Code: FJ2-210), installed in accordance with the manufacturer's recommendations.	No	16		
	A : 4 B : 2 C : 1 D : 1				
	E : 2 F : 1 G : 1 H : 1				
	J : 1 K : 0 L : 0 M : 2				
	N : 0 V : 0				
69	Cobra Watertech exposed urinal chrome plated Junior Econo Flushmaster flushvalve (code: KF8.112) with non-hold open feature, galvanised steel undertile box with stainless steel faceplate and chasis, palm press button, 22mm diameter copper urinal tailpipe and 20mm "Ball-o-stop" control inlet, installed in accordance with the manufacturer's recommendations.	No	5		
	A : 3 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 2 M : 0				
	N : 0 V : 0				
70	Cobra Watertech exposed WC chrome plated Junior Flushmaster flushvalve (code: KF4.213) with non-hold open feature, vacuum breaker, back entry flushpipe, galvanised steel undertile box with stainless steel faceplate and chasis, palm press button, rubber pan connector and 32mm "Ball-o-stop" control inlet, installed in accordance with the manufacturer's recommendations.	No	149		
	A : 38 B : 12 C : 15 D : 16				
	E : 13 F : 12 G : 11 H : 11				
	J : 6 K : 0 L : 7 M : 6				
	N : 2 V : 0				
71	Cobra Watertech Chrome hand shower (Code:07V/CP) with two spray functions (classic jet and champagne spray) and removable water-saving insert.	No	60		
	A : 3 B : 0 C : 9 D : 8				
	E : 10 F : 9 G : 8 H : 8				
	J : 5 K : 0 L : 0 M : 0				
	N : 0 V : 0				
72	Cobra Watertech Chrome hand shower (Code:07MJ/CP) with four spray functions (classic jet, tropical mist, classic jet and tropical mist combined, and pause) and anti-lime nipples.	No	60		
	A : 3 B : 0 C : 9 D : 8				
	E : 10 F : 9 G : 8 H : 8				
	J : 5 K : 0 L : 0 M : 0				
	N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

73	Cobra Watertech Chrome hand shower hose (Code:008/6), size 2000mm long.	No	60		
	A : 3 B : 0 C : 9 D : 8				
	E : 10 F : 9 G : 8 H : 8				
	J : 5 K : 0 L : 0 M : 0				
	N : 0 V : 0				
74	Cobra Watertech Chrome shower rail set (Code:002/1), size 550mm long with sliding hand shower holder.	No	60		
	A : 3 B : 0 C : 9 D : 8				
	E : 10 F : 9 G : 8 H : 8				
	J : 5 K : 0 L : 0 M : 0				
	N : 0 V : 0				
75	Cobra Watertech Chrome wall outlet (Code:AP8-311) with wall outlet elbow.	No	57		
	A : 3 B : 0 C : 9 D : 8				
	E : 7 F : 9 G : 8 H : 8				
	J : 5 K : 0 L : 0 M : 0				
	N : 0 V : 0				
76	Cobra Watertech Chrome hand shower hose (Code:008CO), size 950mm long.	No	6		
	A : 0 B : 0 C : 0 D : 4				
	E : 2 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
77	Cobra Watertech Chrome hand spray (Code:C-017) with single function classic jet spray and aerated flow..	No	6		
	A : 0 B : 0 C : 0 D : 4				
	E : 2 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
78	15mm Chrome ball type angle valve (Code: 832/350F). Including 350mm braided flexi hose	No	454		
	A : 102 B : 66 C : 30 D : 48				
	E : 48 F : 36 G : 30 H : 32				
	J : 24 K : 0 L : 16 M : 18				
	N : 4 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

79	15mm Chrome ball type angle valve (Code: 232/350). Including 350mm pipe	No	114		
	A : 22 B : 8 C : 10 D : 16 E : 8 F : 8 G : 8 H : 8 J : 10 K : 0 L : 0 M : 16 N : 0 V : 0				
80	Cobra Watertech Medical Elbow Action Chrome pillar tap (Code: 505-21B), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	122		
	A : 24 B : 11 C : 11 D : 11 E : 13 F : 10 G : 10 H : 10 J : 10 K : 0 L : 2 M : 10 N : 0 V : 0				
81	Cobra Watertech Medical Elbow Action Chrome pillar tap (Code: 505-21R), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	122		
	A : 24 B : 11 C : 11 D : 11 E : 13 F : 10 G : 10 H : 10 J : 10 K : 0 L : 2 M : 10 N : 0 V : 0				
82	Cobra Watertech Medical Elbow Action Chrome side valve (Code: 514-21B), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations.	No	28		
	A : 10 B : 2 C : 2 D : 4 E : 2 F : 2 G : 2 H : 2 J : 2 K : 0 L : 0 M : 0 N : 0 V : 0				
83	Cobra Watertech 19 x 160mm Chrome plated diverter bath spout with round wall flange (067S). Including female inlet with 160mm throw, sliding wall flange, diversion mechanism for diversion to hand shower attachment, and hand shower, installed in accordance with the manufacturers recommendations.	No	3		
	A : 0 B : 0 C : 0 D : 0 E : 3 F : 0 G : 0 H : 0 J : 0 K : 0 L : 0 M : 0 N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

84	<p>Broen Bench Mounted one hole mixer with swivel spout and detachable nozzle (Code: 2536 039 1039-52E), installed in accordance with the manufacturers recommendations.</p> <p>A : 0 B : 5 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	5	
85	<p>Broen wall mounted eye shower with two 45 degree angled heads, including 1500mm inlet hose. Trigger operated including check valve and flowfix for regulation of water flow (Code: 27 1000.9100.3011), installed in accordance with the manufacturers recommendations.</p> <p>A : 1 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	1	
86	<p>Broen body shower, ceiling mounted with self-draining head. In brass with chemical resistant Broen-lab polycoat. Minimum 1 bar working pressure. (Code: 17 580.709), installed in accordance with the manufacturers recommendations.</p> <p>A : 3 B : 0 C : 0 D : 0</p> <p>E : 0 F : 0 G : 0 H : 0</p> <p>J : 0 K : 0 L : 0 M : 0</p> <p>N : 0 V : 0</p>	No	3	
87	<p>15mm Chromium plated plain bibtap (code: 3309ST)</p> <p>A : 12 B : 12 C : 12 D : 13</p> <p>E : 14 F : 14 G : 13 H : 13</p> <p>J : 13 K : 0 L : 3 M : 3</p> <p>N : 1 V : 0</p>	No	123	
88	<p>20mm Hose bibtap brass (code: 309-20)</p> <p>A : 1 B : 1 C : 1 D : 1</p> <p>E : 1 F : 1 G : 1 H : 1</p> <p>J : 0 K : 0 L : 1 M : 1</p> <p>N : 0 V : 0</p>	No	10	
Carried to Collection				
<p>Section No. 3</p> <p>SECTION 3 - NEW HOSPITAL</p> <p>Bill No. 14</p> <p>Internal Plumbing & Drainage (Provisional)</p>				

SANITARY PIPEWORK**Rigid HDPE soil and waste pipes for use above ground**

89	56mm Pipes	m	2 693
	A : 643 B : 561 C : 216 D : 232		
	E : 204 F : 204 G : 175 H : 175		
	J : 110 K : 0 L : 63 M : 87		
	N : 23 V : 0		
90	63mm Pipes	m	813
	A : 185 B : 185 C : 53 D : 45		
	E : 85 F : 85 G : 35 H : 35		
	J : 35 K : 0 L : 35 M : 35		
	N : 0 V : 0		
91	75mm Pipes	m	682
	A : 80 B : 80 C : 55 D : 57		
	E : 67 F : 67 G : 57 H : 57		
	J : 57 K : 0 L : 50 M : 50		
	N : 5 V : 0		
92	110mm Pipes	m	3 616
	A : 730 B : 730 C : 235 D : 302		
	E : 282 F : 282 G : 247 H : 247		
	J : 207 K : 0 L : 145 M : 175		
	N : 34 V : 0		

Rigid HDPE soil and waste pipes for use under ground

93	110mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	m	4 235
	A : 590 B : 590 C : 445 D : 345		
	E : 395 F : 395 G : 345 H : 345		
	J : 330 K : 0 L : 170 M : 250		
	N : 35 V : 0		
94	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep under surface beds	m	930
	A : 135 B : 135 C : 135 D : 75		
	E : 75 F : 75 G : 75 H : 75		
	J : 75 K : 0 L : 35 M : 35		
	N : 5 V : 0		

Carried to Collection**R**

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

<u>Extra over Rigid HDPE pipes for fittings</u>					
95	56mm Bend	No	657		
	A : 140 B : 75 C : 59 D : 59				
	E : 59 F : 59 G : 46 H : 46				
	J : 46 K : 0 L : 34 M : 34				
	N : 0 V : 0				
96	56mm Branch	No	480		
	A : 143 B : 103 C : 26 D : 26				
	E : 26 F : 26 G : 26 H : 26				
	J : 26 K : 0 L : 26 M : 26				
	N : 0 V : 0				
97	56mm Y Branch	No	440		
	A : 158 B : 103 C : 26 D : 26				
	E : 26 F : 26 G : 15 H : 15				
	J : 15 K : 0 L : 15 M : 15				
	N : 0 V : 0				
98	56mm Reducing branch	No	20		
	A : 20 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
99	56mm T junction	No	265		
	A : 115 B : 45 C : 10 D : 12				
	E : 15 F : 15 G : 12 H : 12				
	J : 7 K : 0 L : 11 M : 11				
	N : 0 V : 0				
100	56mm Y junction	No	349		
	A : 100 B : 50 C : 25 D : 25				
	E : 25 F : 25 G : 25 H : 25				
	J : 25 K : 0 L : 12 M : 12				
	N : 0 V : 0				
101	63mm Bend	No	487		
	A : 110 B : 110 C : 33 D : 33				
	E : 33 F : 33 G : 33 H : 33				
	J : 33 K : 0 L : 18 M : 18				
	N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

102	63mm Junction	No	210
	A : 55 B : 55 C : 12 D : 12		
	E : 12 F : 12 G : 12 H : 12		
	J : 12 K : 0 L : 8 M : 8		
	N : 0 V : 0		
103	63mm Expansion sockets	No	124
	A : 12 B : 12 C : 12 D : 12		
	E : 12 F : 12 G : 12 H : 12		
	J : 12 K : 0 L : 8 M : 8		
	N : 0 V : 0		
104	75mm Bend	No	462
	A : 128 B : 73 C : 29 D : 29		
	E : 29 F : 29 G : 29 H : 29		
	J : 29 K : 0 L : 29 M : 29		
	N : 0 V : 0		
105	75mm T junction	No	391
	A : 101 B : 56 C : 26 D : 26		
	E : 26 F : 26 G : 26 H : 26		
	J : 26 K : 0 L : 26 M : 26		
	N : 0 V : 0		
106	75mm Y junction	No	50
	A : 50 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
107	75mm Y Branch	No	50
	A : 50 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
108	75 x 56mm Reducer	No	451
	A : 63 B : 63 C : 39 D : 39		
	E : 39 F : 39 G : 39 H : 39		
	J : 39 K : 0 L : 26 M : 26		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

109	75 x 63mm Reducer	No	164	
	A : 28 B : 28 C : 12 D : 12			
	E : 12 F : 12 G : 12 H : 12			
	J : 12 K : 0 L : 12 M : 12			
	N : 0 V : 0			
110	75mm Expansion sockets	No	210	
	A : 24 B : 24 C : 18 D : 18			
	E : 18 F : 18 G : 18 H : 18			
	J : 18 K : 0 L : 18 M : 18			
	N : 0 V : 0			
111	110mm Bend	No	2 240	
	A : 389 B : 389 C : 159 D : 163			
	E : 165 F : 165 G : 157 H : 157			
	J : 161 K : 0 L : 149 M : 149			
	N : 37 V : 0			
112	110mm Y Junction	No	616	
	A : 122 B : 122 C : 49 D : 43			
	E : 50 F : 50 G : 38 H : 38			
	J : 42 K : 0 L : 28 M : 28			
	N : 6 V : 0			
113	110mm Straight pan connector	No	149	
	A : 38 B : 12 C : 15 D : 16			
	E : 13 F : 12 G : 11 H : 11			
	J : 6 K : 0 L : 7 M : 6			
	N : 2 V : 0			
114	100mm Rodding eye	No	194	
	A : 24 B : 24 C : 16 D : 16			
	E : 16 F : 16 G : 16 H : 16			
	J : 16 K : 0 L : 16 M : 16			
	N : 2 V : 0			
115	110mm Vent valve	No	185	
	A : 20 B : 20 C : 16 D : 16			
	E : 16 F : 16 G : 16 H : 16			
	J : 16 K : 0 L : 16 M : 16			
	N : 1 V : 0			

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

116	110 x 56mm Reducing junction	No	371
	A : 69 B : 69 C : 33 D : 33		
	E : 33 F : 33 G : 20 H : 20		
	J : 20 K : 0 L : 20 M : 20		
	N : 1 V : 0		
117	110 x 63mm Reducing junction	No	290
	A : 52 B : 52 C : 24 D : 24		
	E : 24 F : 24 G : 18 H : 18		
	J : 18 K : 0 L : 18 M : 18		
	N : 0 V : 0		
118	110mm Stub Stack with end cap	No	206
	A : 46 B : 46 C : 12 D : 12		
	E : 12 F : 12 G : 12 H : 12		
	J : 12 K : 0 L : 12 M : 12		
	N : 6 V : 0		
119	110mm Expansion sockets	No	285
	A : 68 B : 68 C : 15 D : 16		
	E : 18 F : 18 G : 16 H : 16		
	J : 16 K : 0 L : 16 M : 16		
	N : 2 V : 0		
	<u>uPVC Socketed pipes Class 51 for use under ground in accordance with SABS 791</u>		
120	110mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	m	295
	A : 30 B : 30 C : 25 D : 25		
	E : 25 F : 25 G : 25 H : 25		
	J : 25 K : 0 L : 25 M : 25		
	N : 10 V : 0		
	<u>Extra over uPVC pipes for fittings:</u>		
121	100mm Bend	No	62
	A : 6 B : 6 C : 5 D : 5		
	E : 5 F : 5 G : 5 H : 5		
	J : 5 K : 0 L : 5 M : 5		
	N : 5 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

122	100mm CI MI Adaptor	No	82
	A : 6 B : 6 C : 7 D : 7		
	E : 7 F : 7 G : 7 H : 7		
	J : 7 K : 0 L : 7 M : 7		
	N : 7 V : 0		
	<u>Gulleys</u>		
123	Gulley not exceeding 1m deep to invert comprising 110mm diameter uPVC gulley trap and head, fitted with 190mm diameter cast iron grating, including excavating for, bedding on and encasing in 15MPa/19mm mass concrete and fitted with and including precast gulley top bedded in cement mortar, including 100mm gulley head	No	137
	A : 16 B : 26 C : 11 D : 13		
	E : 14 F : 14 G : 13 H : 10		
	J : 12 K : 0 L : 3 M : 4		
	N : 1 V : 0		
	<u>TESTING</u>		
124	Testing sewer system	Item	
	<u>WATER SUPPLY</u>		
	<u>Galvanised steel pipes</u>		
125	50mm Pipes	m	415
	A : 50 B : 50 C : 35 D : 35		
	E : 35 F : 35 G : 35 H : 35		
	J : 35 K : 0 L : 35 M : 35		
	N : 0 V : 0		
126	80mm Pipes	m	195
	A : 30 B : 30 C : 15 D : 15		
	E : 15 F : 15 G : 15 H : 15		
	J : 15 K : 0 L : 15 M : 15		
	N : 0 V : 0		
127	100mm Pipes	m	156
	A : 12 B : 12 C : 12 D : 12		
	E : 12 F : 12 G : 12 H : 12		
	J : 12 K : 12 L : 12 M : 12		
	N : 12 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

<u>Extra over galvanised steel pipes for steel fittings</u>					
128	50mm Bend	No	169		
	A : 13 B : 13 C : 13 D : 13				
	E : 13 F : 13 G : 13 H : 13				
	J : 13 K : 13 L : 13 M : 13				
	N : 13 V : 0				
129	50mm Tee	No	44		
	A : 4 B : 4 C : 4 D : 4				
	E : 4 F : 4 G : 4 H : 4				
	J : 4 K : 0 L : 4 M : 4				
	N : 0 V : 0				
130	50mm Reducer	No	39		
	A : 3 B : 3 C : 3 D : 3				
	E : 3 F : 3 G : 3 H : 3				
	J : 3 K : 3 L : 3 M : 3				
	N : 3 V : 0				
131	80mm Bend	No	524		
	A : 91 B : 91 C : 38 D : 38				
	E : 38 F : 38 G : 38 H : 38				
	J : 38 K : 0 L : 38 M : 38				
	N : 0 V : 0				
132	80mm Tee	No	78		
	A : 12 B : 12 C : 6 D : 6				
	E : 6 F : 6 G : 6 H : 6				
	J : 6 K : 0 L : 6 M : 6				
	N : 0 V : 0				
133	80mm Reducer	No	22		
	A : 2 B : 2 C : 2 D : 2				
	E : 2 F : 2 G : 2 H : 2				
	J : 2 K : 0 L : 2 M : 2				
	N : 0 V : 0				
134	80 x 50mm Reducing tee	No	26		
	A : 2 B : 2 C : 2 D : 2				
	E : 2 F : 2 G : 2 H : 2				
	J : 2 K : 2 L : 2 M : 2				
	N : 2 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

135	100mm Bend	No	65
	A : 5 B : 5 C : 5 D : 5		
	E : 5 F : 5 G : 5 H : 5		
	J : 5 K : 5 L : 5 M : 5		
	N : 5 V : 0		
136	100mm Tee	No	78
	A : 12 B : 12 C : 6 D : 6		
	E : 6 F : 6 G : 6 H : 6		
	J : 6 K : 0 L : 6 M : 6		
	N : 0 V : 0		
137	100mm Reducer	No	22
	A : 2 B : 2 C : 2 D : 2		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 2 M : 2		
	N : 0 V : 0		
138	100 x 80mm Reducing tee	No	65
	A : 5 B : 5 C : 5 D : 5		
	E : 5 F : 5 G : 5 H : 5		
	J : 5 K : 5 L : 5 M : 5		
	N : 5 V : 0		
<u>Class 0 copper pipes for compression fittings in accordance with SABS 460</u>			
139	15mm Pipes	m	3 685
	A : 867 B : 543 C : 322 D : 397		
	E : 163 F : 163 G : 282 H : 282		
	J : 309 K : 0 L : 148 M : 205		
	N : 4 V : 0		
140	22mm Pipes	m	1 912
	A : 495 B : 318 C : 163 D : 203		
	E : 146 F : 146 G : 77 H : 77		
	J : 138 K : 0 L : 66 M : 72		
	N : 11 V : 0		
141	28mm Pipes	m	920
	A : 128 B : 43 C : 138 D : 66		
	E : 64 F : 64 G : 42 H : 42		
	J : 23 K : 0 L : 45 M : 261		
	N : 4 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

142	35mm Pipes	m	3 728
	A : 1071 B : 667 C : 345 D : 206		
	E : 263 F : 263 G : 250 H : 250		
	J : 232 K : 0 L : 136 M : 45		
	N : 0 V : 0		
143	42mm Pipes	m	476
	A : 55 B : 55 C : 25 D : 199		
	E : 12 F : 12 G : 28 H : 28		
	J : 18 K : 0 L : 22 M : 22		
	N : 0 V : 0		
144	54mm Pipes	m	84
	A : 84 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
145	76mm Pipes	m	52
	A : 52 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
146	108mm Pipes	m	12
	A : 12 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>Extra over for fittings</u>		
	<u>Extra over Class 0 copper pipes for brass capillary soldered fittings</u>		
147	15mm Fittings	No	5 038
	A : 812 B : 812 C : 373 D : 449		
	E : 354 F : 354 G : 449 H : 449		
	J : 392 K : 0 L : 280 M : 280		
	N : 34 V : 0		
148	22mm Fittings	No	2 774
	A : 278 B : 278 C : 145 D : 284		
	E : 284 F : 284 G : 284 H : 284		
	J : 245 K : 0 L : 198 M : 198		
	N : 12 V : 0		
	Carried to Collection		
	Section No. 3		
	SECTION 3 - NEW HOSPITAL		
	Bill No. 14		
	Internal Plumbing & Drainage (Provisional)		

R

149	28mm Fittings	No	2 494
	A : 196 B : 196 C : 78 D : 275		
	E : 298 F : 298 G : 275 H : 275		
	J : 215 K : 0 L : 185 M : 185		
	N : 18 V : 0		
150	35mm Bend	No	1 012
	A : 157 B : 157 C : 84 D : 84		
	E : 55 F : 55 G : 84 H : 84		
	J : 84 K : 0 L : 84 M : 84		
	N : 0 V : 0		
151	35mm Tee	No	1 059
	A : 237 B : 237 C : 65 D : 65		
	E : 65 F : 65 G : 65 H : 65		
	J : 65 K : 0 L : 65 M : 65		
	N : 0 V : 0		
152	35 x 15mm Reducer	No	590
	A : 160 B : 160 C : 30 D : 30		
	E : 30 F : 30 G : 30 H : 30		
	J : 30 K : 0 L : 30 M : 30		
	N : 0 V : 0		
153	35 x 22mm Reducer	No	384
	A : 45 B : 45 C : 32 D : 32		
	E : 35 F : 35 G : 32 H : 32		
	J : 32 K : 0 L : 32 M : 32		
	N : 0 V : 0		
154	42mm Bend	No	510
	A : 80 B : 80 C : 40 D : 40		
	E : 35 F : 35 G : 40 H : 40		
	J : 40 K : 0 L : 40 M : 40		
	N : 0 V : 0		
155	42 x 42 x 40mm Reducing tee	No	150
	A : 12 B : 12 C : 14 D : 14		
	E : 14 F : 14 G : 14 H : 14		
	J : 14 K : 0 L : 14 M : 14		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

156	42 x 28mm Reducer	No	194
	A : 16 B : 16 C : 18 D : 18		
	E : 18 F : 18 G : 18 H : 18		
	J : 18 K : 0 L : 18 M : 18		
	N : 0 V : 0		
157	42 x 35mm Reducer	No	260
	A : 22 B : 22 C : 24 D : 24		
	E : 24 F : 24 G : 24 H : 24		
	J : 24 K : 0 L : 24 M : 24		
	N : 0 V : 0		
158	15mm Brass Shut -off valve jointed to copper pipe including adaptors	No	242
	A : 28 B : 28 C : 14 D : 18		
	E : 26 F : 26 G : 22 H : 22		
	J : 24 K : 0 L : 16 M : 16		
	N : 2 V : 0		
159	28mm Brass Shut- off valve jointed to copper pipe including adaptors	No	268
	A : 36 B : 36 C : 16 D : 24		
	E : 24 F : 24 G : 22 H : 22		
	J : 26 K : 0 L : 18 M : 18		
	N : 2 V : 0		
160	35mm Brass Shut -off valve jointed to copper pipe including adaptors	No	116
	A : 16 B : 16 C : 8 D : 12		
	E : 12 F : 12 G : 8 H : 8		
	J : 8 K : 0 L : 8 M : 8		
	N : 0 V : 0		
161	42mm Brass Shut -off valve jointed to copper pipe including adaptors	No	100
	A : 10 B : 10 C : 5 D : 9		
	E : 8 F : 8 G : 10 H : 10		
	J : 10 K : 0 L : 10 M : 10		
	N : 0 V : 0		
162	54mm Brass Shut -off valve jointed to copper pipe including adaptors	No	40
	A : 4 B : 4 C : 2 D : 2		
	E : 2 F : 2 G : 4 H : 4		
	J : 4 K : 0 L : 4 M : 4		
	N : 4 V : 0		
Carried to Collection			
Section No. 3			
SECTION 3 - NEW HOSPITAL			
Bill No. 14			
Internal Plumbing & Drainage (Provisional)			

R

163	108mm Brass Shut -off valve jointed to copper pipe including adaptors	No	14
	A : 2 B : 2 C : 1 D : 1		
	E : 1 F : 1 G : 1 H : 1		
	J : 1 K : 0 L : 1 M : 1		
	N : 1 V : 0		
164	54mm Brass strainers to copper pipe including adaptors	No	28
	A : 4 B : 4 C : 2 D : 2		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 2 M : 2		
	N : 2 V : 0		
165	54mm Brass spring loaded non- return valve to copper pipe including adaptors	No	28
	A : 4 B : 4 C : 2 D : 2		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 2 M : 2		
	N : 2 V : 0		
166	54mm Brass adjustable PRV with pressure gauge to copper pipe including adaptors	No	28
	A : 4 B : 4 C : 2 D : 2		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 0 L : 2 M : 2		
	N : 2 V : 0		
167	22mm Kerr term balancing valve jointed to copper pipe including adaptors	No	72
	A : 8 B : 8 C : 8 D : 6		
	E : 6 F : 6 G : 6 H : 6		
	J : 6 K : 0 L : 6 M : 6		
	N : 0 V : 0		
168	15mm Pressure relief valve (8 bar) jointed to copper pipe including adaptors	No	94
	A : 8 B : 8 C : 8 D : 10		
	E : 8 F : 8 G : 10 H : 10		
	J : 10 K : 0 L : 6 M : 6		
	N : 2 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

<u>Class 1 copper pipes for compression fittings in accordance with SABS 460</u>					
169	22mm Pipes	m	200		
	A : 20 B : 20 C : 20 D : 20				
	E : 20 F : 20 G : 20 H : 20				
	J : 0 K : 0 L : 20 M : 20				
	N : 0 V : 0				
170	54mm Pipes	m	600		
	A : 60 B : 60 C : 60 D : 60				
	E : 60 F : 60 G : 60 H : 60				
	J : 0 K : 0 L : 60 M : 60				
	N : 0 V : 0				
<u>Extra over for fittings</u>					
<u>Extra over Class 1 copper pipes for brass capillary soldered fittings</u>					
171	22mm Fittings	No	500		
	A : 50 B : 50 C : 50 D : 50				
	E : 50 F : 50 G : 50 H : 50				
	J : 0 K : 0 L : 50 M : 50				
	N : 0 V : 0				
172	50mm Bend	No	160		
	A : 16 B : 16 C : 16 D : 16				
	E : 16 F : 16 G : 16 H : 16				
	J : 0 K : 0 L : 16 M : 16				
	N : 0 V : 0				
173	50mm Tee	No	120		
	A : 12 B : 12 C : 12 D : 12				
	E : 12 F : 12 G : 12 H : 12				
	J : 0 K : 0 L : 12 M : 12				
	N : 0 V : 0				
174	50mm Reducer	No	120		
	A : 12 B : 12 C : 12 D : 12				
	E : 12 F : 12 G : 12 H : 12				
	J : 0 K : 0 L : 12 M : 12				
	N : 0 V : 0				
Carried to Collection					
Section No. 3				R	
SECTION 3 - NEW HOSPITAL					
Bill No. 14					
Internal Plumbing & Drainage (Provisional)					

175	50 x 50 x 22mm Reducing tee	No	120
	A : 12 B : 12 C : 12 D : 12		
	E : 12 F : 12 G : 12 H : 12		
	J : 0 K : 0 L : 12 M : 12		
	N : 0 V : 0		
176	22mm Air relief valve jointed to copper pipe including adaptors	No	40
	A : 4 B : 4 C : 4 D : 4		
	E : 4 F : 4 G : 4 H : 4		
	J : 0 K : 0 L : 4 M : 4		
	N : 0 V : 0		
177	54mm Brass strainers to copper pipe including adaptors	No	10
	A : 1 B : 1 C : 1 D : 1		
	E : 1 F : 1 G : 1 H : 1		
	J : 0 K : 0 L : 1 M : 1		
	N : 0 V : 0		
178	22mm Brass spring loaded non-return valve jointed to copper pipe including adaptors	No	10
	A : 1 B : 1 C : 1 D : 1		
	E : 1 F : 1 G : 1 H : 1		
	J : 0 K : 0 L : 1 M : 1		
	N : 0 V : 0		
179	54mm Brass spring loaded non- return valve to copper pipe including adaptors	No	10
	A : 1 B : 1 C : 1 D : 1		
	E : 1 F : 1 G : 1 H : 1		
	J : 0 K : 0 L : 1 M : 1		
	N : 0 V : 0		
180	54mm Brass adjustable PRV with pressure gauge to copper pipe including adaptors	No	10
	A : 1 B : 1 C : 1 D : 1		
	E : 1 F : 1 G : 1 H : 1		
	J : 0 K : 0 L : 1 M : 1		
	N : 0 V : 0		
181	22mm Brass Shut- off valve jointed to copper pipe including adaptors	No	120
	A : 12 B : 12 C : 12 D : 12		
	E : 12 F : 12 G : 12 H : 12		
	J : 0 K : 0 L : 12 M : 12		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

182	54mm Brass Shut -off valve jointed to copper pipe including adaptors	No	160		
	A : 16 B : 16 C : 16 D : 16				
	E : 16 F : 16 G : 16 H : 16				
	J : 0 K : 0 L : 16 M : 16				
	N : 0 V : 0				
183	22mm Kerr term balancing valve jointed to copper pipe including adaptors	No	20		
	A : 2 B : 2 C : 2 D : 2				
	E : 2 F : 2 G : 2 H : 2				
	J : 0 K : 0 L : 2 M : 2				
	N : 0 V : 0				
184	Valve labelling	No	280.00		
	A : 28.00 B : 28.00 C : 28.00 D : 28.00				
	E : 28.00 F : 28.00 G : 28.00 H : 28.00				
	J : 0.00 K : 0.00 L : 28.00 M : 28.00				
	N : 0.00 V : 0.00				
<u>LAGGING</u>					
<u>Armaflex pipe insulation suitable for exterior application</u>					
185	Insulation to 15mm pipe and couplings	m	1 942		
	A : 430 B : 270 C : 160 D : 198				
	E : 175 F : 175 G : 140 H : 140				
	J : 114 K : 0 L : 70 M : 70				
	N : 0 V : 0				
186	Insulation to 22mm pipe and couplings	m	1 155		
	A : 277 B : 180 C : 100 D : 123				
	E : 95 F : 95 G : 55 H : 55				
	J : 65 K : 0 L : 55 M : 55				
	N : 0 V : 0				
187	Insulation to 28mm pipe and couplings	m	396		
	A : 56 B : 20 C : 20 D : 35				
	E : 35 F : 35 G : 35 H : 35				
	J : 35 K : 0 L : 45 M : 45				
	N : 0 V : 0				

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

188	Insulation to 35mm pipe and couplings	m	2 167	
	A : 809 B : 330 C : 150 D : 103			
	E : 115 F : 115 G : 125 H : 125			
	J : 125 K : 0 L : 85 M : 85			
	N : 0 V : 0			
189	Insulation to 42mm pipe and couplings	m	424	
	A : 50 B : 12 C : 12 D : 200			
	E : 25 F : 25 G : 20 H : 20			
	J : 20 K : 0 L : 20 M : 20			
	N : 0 V : 0			
190	Insulation to 54mm pipe and couplings	m	995	
	A : 90 B : 90 C : 85 D : 145			
	E : 85 F : 85 G : 95 H : 95			
	J : 35 K : 0 L : 95 M : 95			
	N : 0 V : 0			
	<u>TESTING</u>			
191	Pressure testing water pipe system		Item	
	<u>METERS</u>			
192	50mm COLD Water Meters compatible with sensor (for hot water per block) (PC amount R8,500.00)	m	23	
	A : 2 B : 2 C : 2 D : 2			
	E : 2 F : 2 G : 2 H : 2			
	J : 2 K : 0 L : 2 M : 2			
	N : 1 V : 0			
	<u>ELECTRIC WATER HEATERS</u>			
	<u>Hydroboil</u>			
193	Zip stainless steel 7,5 litre Hydroboil, size 318 x 198 x 578mm high with instant boiling water, two way tap control, connected to 15mm cold water supply with service valve, waste for safety valve connected to waste water system and 220 volt 15 amp electrical power supply, plugged and screwed to wall and fitted under 1 year guarantee. (GEY001)	No	33	
	A : 13 B : 3 C : 1 D : 3			
	E : 2 F : 2 G : 2 H : 2			
	J : 2 K : 0 L : 1 M : 2			
	N : 0 V : 0			
	Carried to Collection			
	Section No. 3			
	SECTION 3 - NEW HOSPITAL			
	Bill No. 14			
	Internal Plumbing & Drainage (Provisional)			

R

<u>Domestic hot water system</u>					
194	<p>1500 litre vertical mild steel hot water cylinder rated at an operating pressure of 600 kPa. It shall be internal baked glass flake coating, complete with sacrificial anode, vacuum breakers, all safety valves, flange connections 1123/600, connections for heat pumps supply and return, connections for cold water inlet, connections for hot water return and outlet, connections for temperature probes and gauges, connections for pressure gauges, connections for manhole and elements. Installation as per SANS 10254 and SANS 0400-XA. Tanks shall be fully insulated and be fitted with gms sheet metal cladding.</p> <p>A : 0.00 B : 0.00 C : 2.00 D : 0.00 E : 2.00 F : 0.00 G : 0.00 H : 2.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00</p>	No	6.00		
195	<p>Commercial heat pump with constant rated output of 30kW each and generate 60°C water constantly. The heat pumps shall produce this at a minimum ambient temperature of 10°C and shall be derated for the higher altitude. Inverter driven compressor, complete with stainless steel housing inclusive of all controls, control panel, electrical power supply etc., all piping between hot water tanks and heat pumps are to be included including all valves etc.</p> <p>A : 0.00 B : 0.00 C : 2.00 D : 0.00 E : 2.00 F : 0.00 G : 0.00 H : 2.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00</p>	No	6.00		
196	<p>Domestic hot water circulation pump set for building hot water pipe circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 15m pressure head.</p> <p>A : 0.00 B : 0.00 C : 1.00 D : 0.00 E : 1.00 F : 0.00 G : 0.00 H : 1.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00</p>	No	3.00		
Carried to Collection					
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 14 Internal Plumbing & Drainage (Provisional)				R	

197	Domestic hot water circulation pump set for heat pumps circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 25m pressure head.	No	3.00		
	A : 0.00 B : 0.00 C : 1.00 D : 0.00 E : 1.00 F : 0.00 G : 0.00 H : 1.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00				
198	Electrical control distribution board and all electrical works for the plant to be operational.	No	3.00		
	A : 0.00 B : 0.00 C : 1.00 D : 0.00 E : 1.00 F : 0.00 G : 0.00 H : 1.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00				
199	Commercial heat exchanger with constant rated output of 12.5 kg/s and generate 60°C water constantly. The heat exchanger shall produce this at a minimum ambient temperature of 10°C and shall be derated for the higher altitude. All piping between hot water tanks and heat exchanger are to be included including all valves etc.	No	3.00		
	A : 0.00 B : 0.00 C : 1.00 D : 0.00 E : 1.00 F : 0.00 G : 0.00 H : 1.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00				
200	Domestic hot water circulation pump set for heat exchanger circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 25m pressure head.	No	3.00		
	A : 0.00 B : 0.00 C : 1.00 D : 0.00 E : 1.00 F : 0.00 G : 0.00 H : 1.00 J : 0.00 K : 0.00 L : 0.00 M : 0.00 N : 0.00 V : 0.00				
Carried to Collection					R
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 14 Internal Plumbing & Drainage (Provisional)					

201	Commercial CB60-30M hot water heat exchanger set, to be complete with all inlet and outlet connections. Heat Exchanger shall comprise of 30kW heating with 46°C inlet temperature and 40°C outlet temperature and flow rate of 4,4 m³/h. Pressure drop to be 50 kPa.	No	2.00
	A : 1.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 1.00 M : 0.00		
	N : 0.00 V : 0.00		
202	2000 litre vertical mild steel hot water cylinder rated at an operating pressure of 600 kPa. It shall be internal baked glass flake coating, complete with sacrificial anode, vacuum breakers, all safety valves, flange connections 1123/600, connections for heat pumps supply and return, connections for cold water inlet, connections for hot water return and outlet, connections for temperature probes and gauges, connections for pressure gauges, connections for manhole and elements. Installation as per SANS 10254 and SANS 0400-XA. Tanks shall be fully insulated and be fitted with gms sheet metal cladding.	No	10.00
	A : 0.00 B : 2.00 C : 0.00 D : 2.00		
	E : 0.00 F : 2.00 G : 2.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 2.00		
	N : 0.00 V : 0.00		
203	Commercial heat pump with constant rated output of 45kW each and generate 60°C water constantly. The heat pumps shall produce this at a minimum ambient temperature of 10°C and shall be derated for the higher altitude. Inverter driven compressor, complete with stainless steel housing inclusive of all controls, control panel, electrical power supply etc., all piping between hot water tanks and heat pumps are to be included including all valves etc.	No	10.00
	A : 0.00 B : 2.00 C : 0.00 D : 2.00		
	E : 0.00 F : 2.00 G : 2.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 2.00		
	N : 0.00 V : 0.00		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

204	Domestic hot water circulation pump set for building hot water pipe circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 15m pressure head.	No	5.00		
	A : 0.00 B : 1.00 C : 0.00 D : 1.00				
	E : 0.00 F : 1.00 G : 1.00 H : 0.00				
	J : 0.00 K : 0.00 L : 0.00 M : 1.00				
	N : 0.00 V : 0.00				
205	Domestic hot water circulation pump set for heat pumps circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 25m pressure head.	No	5.00		
	A : 0.00 B : 1.00 C : 0.00 D : 1.00				
	E : 0.00 F : 1.00 G : 1.00 H : 0.00				
	J : 0.00 K : 0.00 L : 0.00 M : 1.00				
	N : 0.00 V : 0.00				
206	Electrical control distribution board and all electrical works for the plant to be operational.	No	5.00		
	A : 0.00 B : 1.00 C : 0.00 D : 1.00				
	E : 0.00 F : 1.00 G : 1.00 H : 0.00				
	J : 0.00 K : 0.00 L : 0.00 M : 1.00				
	N : 0.00 V : 0.00				
207	Commercial heat exchanger with constant rated output of 16 kg/s and generate 60°C water constantly. The heat exchanger shall produce this at a minimum ambient temperature of 10°C and shall be derated for the higher altitude. All piping between hot water tanks and heat exchanger are to be included including all valves etc.	No	5.00		
	A : 0.00 B : 1.00 C : 0.00 D : 1.00				
	E : 0.00 F : 1.00 G : 1.00 H : 0.00				
	J : 0.00 K : 0.00 L : 0.00 M : 1.00				
	N : 0.00 V : 0.00				
Carried to Collection					R
Section No. 3					
SECTION 3 - NEW HOSPITAL					
Bill No. 14					
Internal Plumbing & Drainage (Provisional)					

208	Domestic hot water circulation pump set for heat exchanger circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 25m pressure head.	No	5.00
	A : 0.00 B : 1.00 C : 0.00 D : 1.00		
	E : 0.00 F : 1.00 G : 1.00 H : 0.00		
	J : 0.00 K : 0.00 L : 0.00 M : 1.00		
	N : 0.00 V : 0.00		
209	Commercial CB60-30M hot water heat exchanger set, to be complete with all inlet and outlet connections. Heat Exchanger shall comprise of 30kW heating with 46°C inlet temperature and 40°C outlet temperature and flow rate of 4,4 m³/h. Pressure drop to be 50 kPa.	No	2.00
	A : 1.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 1.00 M : 0.00		
	N : 0.00 V : 0.00		
210	3000 litre vertical mild steel hot water cylinder rated at an operating pressure of 600 kPa. It shall be internal baked glass flake coating, complete with sacrificial anode, vacuum breakers, all safety valves, flange connections 1123/600, connections for heat pumps supply and return, connections for cold water inlet, connections for hot water return and outlet, connections for temperature probes and gauges, connections for pressure gauges, connections for manhole and elements. Installation as per SANS 10254 and SANS 0400-XA. Tanks shall be fully insulated and be fitted with gms sheet metal cladding.	No	4.00
	A : 2.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 2.00 M : 0.00		
	N : 0.00 V : 0.00		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

211	Commercial heat pump with constant rated output of 35kW each and generate 60°C water constantly. The heat pumps shall produce this at a minimum ambient temperature of 10°C and shall be derated for the higher altitude. Inverter driven compressor, complete with stainless steel housing inclusive of all controls, control panel, electrical power supply etc., all piping between hot water tanks and heat pumps are to be included including all valves etc.	No	4.00
	A : 2.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 2.00 M : 0.00		
	N : 0.00 V : 0.00		
212	Domestic hot water circulation pump set for building hot water pipe circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 15m pressure head.	No	2.00
	A : 1.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 1.00 M : 0.00		
	N : 0.00 V : 0.00		
213	Domestic hot water circulation pump set for heat pumps circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 25m pressure head.	No	2.00
	A : 1.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 1.00 M : 0.00		
	N : 0.00 V : 0.00		
214	Electrical control distribution board and all electrical works for the plant to be operational.	No	2.00
	A : 1.00 B : 0.00 C : 0.00 D : 0.00		
	E : 0.00 F : 0.00 G : 0.00 H : 0.00		
	J : 0.00 K : 0.00 L : 1.00 M : 0.00		
	N : 0.00 V : 0.00		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

215	Commercial heat exchanger with constant rated output of 25 kg/s and generate 60°C water constantly. The heat exchanger shall produce this at a minimum ambient temperature of 10°C and shall be derated for the higher altitude. All piping between hot water tanks and heat exchanger are to be included including all valves etc.	No	2.00		
	A : 1.00 B : 0.00 C : 0.00 D : 0.00 E : 0.00 F : 0.00 G : 0.00 H : 0.00 J : 0.00 K : 0.00 L : 1.00 M : 0.00 N : 0.00 V : 0.00				
216	Domestic hot water circulation pump set for heat exchanger circulating system, to be complete with all controls, electrical power supply, display panel indicating pump run and failure. Pumps shall be intelligent to ensure capable of connecting into a building management system (BMS). Pump set shall comprise of two pumps each capable of supply with a duty of 1.0m³/h @ 25m pressure head.	No	2.00		
	A : 1.00 B : 0.00 C : 0.00 D : 0.00 E : 0.00 F : 0.00 G : 0.00 H : 0.00 J : 0.00 K : 0.00 L : 1.00 M : 0.00 N : 0.00 V : 0.00				
217	Commercial CB60-30M hot water heat exchanger set, to be complete with all inlet and outlet connections. Heat Exchanger shall comprise of 30kW heating with 46°C inlet temperature and 40°C outlet temperature and flow rate of 4,4 m³/h. Pressure drop to be 50 kPa.	No	2.00		
	A : 1.00 B : 0.00 C : 0.00 D : 0.00 E : 0.00 F : 0.00 G : 0.00 H : 0.00 J : 0.00 K : 0.00 L : 1.00 M : 0.00 N : 0.00 V : 0.00				
<u>SUNDRIES</u>					
218	Supply and handover one operating & maintenance manual, complete with all necessary information to facilitate proper future operation and maintenance of the domestic water system and associated equipment. To be filed neatly with index to ensure easy understanding. Additional soft copy (CD) to be supplied	No	10.00		
	A : 1.00 B : 1.00 C : 1.00 D : 1.00 E : 1.00 F : 1.00 G : 1.00 H : 1.00 J : 0.00 K : 0.00 L : 1.00 M : 1.00 N : 0.00 V : 0.00				
Carried to Collection				R	
Section No. 3 SECTION 3 - NEW HOSPITAL Bill No. 14 Internal Plumbing & Drainage (Provisional)					

219	Supply and install labelling on the entire system with robust and clear labels. Labelling of all accessories i.e. valve, fittings, system etc. with robust and clear labels. The system is to be fully identifiable.	No	10.00
	A : 1.00 B : 1.00 C : 1.00 D : 1.00		
	E : 1.00 F : 1.00 G : 1.00 H : 1.00		
	J : 0.00 K : 0.00 L : 1.00 M : 1.00		
	N : 0.00 V : 0.00		
<u>FIRE EQUIPMENT, ETC ON WALL MOUNTED HANGERS</u>			
220	Fire hose reel to SABS 543 complete with 580mm diameter hose reel, 20mm diameter rubber hose 30m long, 25mm diameter ,25mm diameter ball valve, 3000 chromium plated stopcock, shut-off nozzle and wall bracket	No	46
	A : 14 B : 6 C : 4 D : 2		
	E : 2 F : 2 G : 2 H : 2		
	J : 2 K : 2 L : 2 M : 6		
	N : 0 V : 0		
221	4.5kg Dry chemical powder fire extinguisher including hanger fixed to and including timber backing board.	No	76
	A : 28 B : 12 C : 8 D : 4		
	E : 4 F : 4 G : 4 H : 4		
	J : 4 K : 0 L : 0 M : 4		
	N : 0 V : 0		
222	4.5kg Dry chemical powder fire extinguisher including standard plastic cabinet	No	34
	A : 10 B : 0 C : 0 D : 2		
	E : 0 F : 0 G : 0 H : 4		
	J : 1 K : 0 L : 1 M : 10		
	N : 2 V : 4		
223	4.5kg Dry chemical powder fire extinguisher including standard steel cabinet	No	16
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 4 L : 4 M : 8		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

224	5kg CO2 fire extinguisher including standard plastic cabinet	No	15		
	A : 0 B : 0 C : 0 D : 0				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 8 L : 0 M : 7				
	N : 0 V : 0				
<u>WATER SUPPLIES TO FIRE APPLIANCES</u>					
<u>Galvanised steel pipes</u>					
225	25mm Pipes fixed walls with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	92		
	A : 28 B : 12 C : 8 D : 4				
	E : 4 F : 4 G : 4 H : 4				
	J : 4 K : 4 L : 4 M : 12				
	N : 0 V : 0				
226	25mm Pipes fixed in suspended ceilings with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	121		
	A : 88 B : 0 C : 5 D : 2				
	E : 0 F : 0 G : 2 H : 4				
	J : 2 K : 6 L : 6 M : 6				
	N : 0 V : 0				
227	32mm Pipes fixed in suspended ceilings with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	804		
	A : 276 B : 92 C : 82 D : 16				
	E : 37 F : 28 G : 25 H : 32				
	J : 18 K : 40 L : 30 M : 129				
	N : 0 V : 0				
228	50mm Pipes fixed in suspended ceilings with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	433		
	A : 168 B : 13 C : 0 D : 20				
	E : 17 F : 21 G : 27 H : 62				
	J : 43 K : 0 L : 0 M : 62				
	N : 0 V : 0				
Carried to Collection					
Section No. 3				R	
SECTION 3 - NEW HOSPITAL					
Bill No. 14					
Internal Plumbing & Drainage (Provisional)					

229	80mm Pipes fixed in suspended ceilings with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	462		
	A : 175 B : 14 C : 30 D : 64				
	E : 39 F : 35 G : 37 H : 59				
	J : 0 K : 0 L : 0 M : 10				
	N : 0 V : 0				
230	100mm Pipes fixed in suspended ceilings with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	333		
	A : 207 B : 94 C : 30 D : 0				
	E : 0 F : 0 G : 0 H : 2				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
	<u>Extra over galvanised steel pipes for steel fittings</u>				
231	25mm Bend	No	19		
	A : 12 B : 0 C : 5 D : 2				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
232	25mm Pressure reducing valve	No	46		
	A : 14 B : 6 C : 4 D : 2				
	E : 2 F : 2 G : 2 H : 2				
	J : 2 K : 2 L : 2 M : 6				
	N : 0 V : 0				
233	25mm Tee	No	4		
	A : 2 B : 0 C : 1 D : 1				
	E : 0 F : 0 G : 0 H : 0				
	J : 0 K : 0 L : 0 M : 0				
	N : 0 V : 0				
234	32mm Bend	No	81		
	A : 22 B : 16 C : 6 D : 5				
	E : 4 F : 4 G : 6 H : 3				
	J : 4 K : 0 L : 5 M : 6				
	N : 0 V : 0				
235	32 x 25mm Reducing socket	No	9		
	A : 2 B : 1 C : 0 D : 0				
	E : 1 F : 1 G : 1 H : 1				
	J : 1 K : 0 L : 0 M : 1				
	N : 0 V : 0				
	Carried to Collection				
	Section No. 3				
	SECTION 3 - NEW HOSPITAL				
	Bill No. 14				
	Internal Plumbing & Drainage (Provisional)				

R

236	50mm Bend	No	12
	A : 5 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 2		
	J : 2 K : 0 L : 0 M : 3		
	N : 0 V : 0		
237	50 x 32mm Reducing Bend	No	3
	A : 2 B : 0 C : 0 D : 1		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
238	50 x 50 x 25mm Reducing tee	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
239	50 x 50 x 32mm Reducing tee	No	6
	A : 2 B : 1 C : 0 D : 0		
	E : 1 F : 0 G : 0 H : 0		
	J : 1 K : 0 L : 0 M : 1		
	N : 0 V : 0		
240	80mm Bend	No	15
	A : 3 B : 0 C : 0 D : 3		
	E : 3 F : 3 G : 2 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
241	80mm Tee	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 1 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
242	80 x 32mm Reducing socket	No	1
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 1 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

243	80 x 50mm Reducing Bend	No	2
	A : 0 B : 0 C : 0 D : 1		
	E : 0 F : 1 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
244	80 x 50mm Reducing socket	No	7
	A : 4 B : 0 C : 0 D : 0		
	E : 1 F : 0 G : 1 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
245	80 x 80 x 25mm Reducing tee	No	7
	A : 6 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
246	80 x 50 x 32mm Reducing tee	No	2
	A : 1 B : 1 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
247	80 x 80 x 32mm Reducing tee	No	5
	A : 4 B : 0 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
248	80 x 80 x 50mm Reducing tee	No	7
	A : 2 B : 1 C : 1 D : 1		
	E : 0 F : 1 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
249	80mm Isolating valve	No	2
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 1 G : 1 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

250	100mm Bend	No	11
	A : 4 B : 3 C : 2 D : 0		
	E : 0 F : 0 G : 0 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
251	100mm Tee	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
252	100 x 80mm Reducing bend	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
253	100 x 80mm Reducing socket	No	3
	A : 0 B : 1 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 1		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
254	100 x 80 x 32mm Reducing tee	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
255	100 x 100 x 32mm Reducing tee	No	8
	A : 3 B : 4 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
256	100 x 100 x 80mm Reducing tee	No	1
	A : 1 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

257	100mm Isolating valve	No	7
	A : 3 B : 1 C : 1 D : 0		
	E : 0 F : 0 G : 0 H : 2		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
	<u>TESTING</u>		
258	Pressure testing fire pipe system	Item	
	<u>HOLES ETC</u>		
	<u>Core drilling hole exceeding 50mm and not exceeding 100mm diameter</u>		
259	220mm Brick wall	No	89
	A : 8 B : 8 C : 8 D : 8		
	E : 8 F : 8 G : 8 H : 8		
	J : 8 K : 0 L : 8 M : 8		
	N : 1 V : 0		
260	240mm Concrete slab	No	45
	A : 4 B : 4 C : 4 D : 4		
	E : 4 F : 4 G : 4 H : 4		
	J : 4 K : 0 L : 4 M : 4		
	N : 1 V : 0		
	<u>Core drilling hole exceeding 100mm and not exceeding 200mm diameter</u>		
261	220mm Brick wall	No	134
	A : 12 B : 12 C : 12 D : 12		
	E : 12 F : 12 G : 12 H : 12		
	J : 12 K : 0 L : 12 M : 12		
	N : 2 V : 0		
Carried to Collection			
Section No. 3			
SECTION 3 - NEW HOSPITAL			
Bill No. 14			
Internal Plumbing & Drainage (Provisional)			

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 14

Internal Plumbing & Drainage (Provisional)

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461

Carried Forward

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 14

Internal Plumbing & Drainage (Provisional)

SUMMARY

	Page No	Amount
Brought Forward		R
Total Brought Forward from Page No.	462	
	463	
	464	
	465	
	466	
	467	
	468	
	469	
	470	
	471	
	472	
	473	
	474	
	475	
	476	
	477	
	478	
	479	
	480	
	481	
Carried Forward		R
Section No. 3		
SECTION 3 - NEW HOSPITAL		
Bill No. 14		
Internal Plumbing & Drainage (Provisional)		

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 14
Internal Plumbing & Drainage (Provisional)

SUMMARY

	Page No	Amount
Brought Forward		R
Total Brought Forward from Page No.	482	
	483	
	484	
	485	
	486	
	487	
	488	
	489	
	490	
	491	
	492	
	493	
Carried Forward to Summary of Section No. 3		R
Section No. 3		
SECTION 3 - NEW HOSPITAL		
Bill No. 14		
Internal Plumbing & Drainage (Provisional)		

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>NEW HOSPITAL</u>			
	<u>BILL NO 15</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	No reference to trade names shall be made in these Bills of Quantities. Any reference to trade names in the Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 150 for JBCC CPAP purposes			
	<hr/>			
	<u>GLAZING TO WOOD (BEADS ELSEWHERE)</u>			
	<u>6mm Clear normal strength PVB Laminated safety glass</u>			
1	Panes not exceeding 0,1 square metre in area	m2	9	
	A : 0 B : 0 C : 1 D : 1			
	E : 0 F : 1 G : 1 H : 3			
	J : 1 K : 0 L : 0 M : 2			
	N : 0 V : 0			
	<u>PANELS, MIRRORS, ETC</u>			
	<u>6mm Silvered float glass copper backed mirrors with bevelled edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
2	Mirror 450 x 600mm high with bevelled edges. Plugged and screwed to tiled walls with four chromed mirror screws with dome caps (SAN030/030A/030B)	No	265	
	A : 50 B : 50 C : 20 D : 27			
	E : 24 F : 22 G : 19 H : 19			
	J : 17 K : 0 L : 5 M : 10			
	N : 2 V : 0			
	Carried to Collection			
	Section No. 3			
	SECTION 3 - NEW HOSPITAL			
	Bill No. 15			
	Glazing			

R

3	Mirror 450 x 900mm high with bevelled edges. Plugged and screwed to tiled walls with four chromed mirror screws with dome caps (SAN010/010B, SAN010A/010C)	No	63
	A : 13 B : 7 C : 6 D : 3		
	E : 8 F : 6 G : 6 H : 6		
	J : 5 K : 0 L : 2 M : 1		
	N : 0 V : 0		
4	Mirror 450 x 600mm high with bevelled edges. Plugged with high quality double sided tape and silicone	No	16
	A : 7 B : 0 C : 1 D : 0		
	E : 1 F : 2 G : 2 H : 1		
	J : 2 K : 0 L : 0 M : 0		
	N : 0 V : 0		
5	Mirror 600 x 1800mm high with bevelled edges. Plugged and screwed to tiled walls with four chromed mirror screws with dome caps	No	11
	A : 11 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 15
Glazing

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 15

Glazing

SUMMARY

Total Brought Forward from Page No.

Page
No

497

498

Amount

Carried Forward to Summary of Section No. 3

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 15
Glazing

R

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>NEW HOSPITAL</u>			
	<u>BILL NO 16</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 152 for JBCC CPAP purposes			
	<hr/>			
	<u>ON FLOATED PLASTER</u>			
	<u>Apply Skim to achieve a continuous film (C3)</u>			
1	On internal walls	m2	29 798	
	A : 9704 B : 5101 C : 2309 D : 2197			
	E : 1651 F : 1772 G : 1656 H : 2234			
	J : 1465 K : -5 L : 11 M : 1528			
	N : 177 V : -3			
2	On internal columns	m2	583	
	A : 302 B : 84 C : 40 D : 22			
	E : 43 F : 34 G : 29 H : 29			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
3	On partitioning	m2	1 435	
	A : 1435 B : 0 C : 0 D : 0			
	E : 0 F : 0 G : 0 H : 0			
	J : 0 K : 0 L : 0 M : 0			
	N : 0 V : 0			
	Carried to Collection			
	Section No. 3			
	SECTION 3 - NEW HOSPITAL			
	Bill No. 16			
	Paintwork			
			R	

Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval (C3)

4	On internal walls	m2	29 798
	A : 9704 B : 5101 C : 2309 D : 2197		
	E : 1651 F : 1772 G : 1656 H : 2234		
	J : 1465 K : -5 L : 11 M : 1528		
	N : 177 V : -3		

5	On columns	m2	583
	A : 302 B : 84 C : 40 D : 22		
	E : 43 F : 34 G : 29 H : 29		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Perform a light surface grind to remove laitance and oil contamination. Repair all cracks and blow holes and smooth over. Apply prime to seal air movement through concrete. Apply two coats Polyurethane paint by roller to achieve an overall thickness of approximately 100microns. Applied in accordance with approved Flowcrete specifications by approved applicators.

6	On internal walls	m2	1 545
	A : 391 B : 111 C : 183 D : 144		
	E : 125 F : 133 G : 118 H : 138		
	J : 85 K : 0 L : 54 M : 52		
	N : 12 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 16
Paintwork

R

Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of modified acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval

7	On internal walls	m2	1 825
	A : 0 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 670 L : 296 M : 859		
	N : 0 V : 0		

Apply one coat unreduced 100% pure acrylic emulsion water-based primer. Added in can preservative, extender fillers and adhesion promoting properties. Pigmented to approved colour. Apply by sheepskin roller and allow to cure. Apply two coats 100% pure acrylic water-based render. Enhance with marble aggregate, fillers and fungicides. (Pure acrylic resin improves water resistance and rheology) over coated with two-three coats Pigmented Sealer tinted. Colour to Architect's approval (C5)

8	On internal walls	m2	352
	A : 352 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 16
Paintwork

R

Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications Colour to Architect's approval (H38)

9	On external walls	m2	14 378
	A : 3886 B : 1454 C : 796 D : 671		
	E : 537 F : 467 G : 363 H : 1131		
	J : 972 K : 738 L : 701 M : 1657		
	N : 426 V : 578		

10	On external beams	m2	2 963
	A : 830 B : 356 C : 230 D : 199		
	E : 136 F : 126 G : 115 H : 422		
	J : 180 K : 63 L : 61 M : 226		
	N : 18 V : 0		

11	On external columns	m2	729
	A : 359 B : 28 C : 31 D : 9		
	E : 12 F : 4 G : 31 H : 69		
	J : 29 K : 34 L : 39 M : 0		
	N : 0 V : 82		

Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 28 days, with a moisture content, measured with a Doser Hygrometer of BD 4 scale - 5%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of Super Acrylic paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval (D2, D85)

12	On plastered ceilings	m2	1 493
	A : 597 B : 131 C : 7 D : 16		
	E : 21 F : 14 G : 15 H : 427		
	J : 81 K : 67 L : 46 M : 71		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 16
Paintwork

R

ON FIBRE CEMENT

Prepare surfaces and remove all loose material.
Prime with one coat of Professional Primer with an
overcoating time of 16 hours and finish with one
coat of Pure Acrylic paint. All to manufacturer's
detail specifications. Colour to Architect's approval.
(D3)

13	On fibre cement ceilings	m2	111
	A : 0 B : 0 C : 39 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 72		
	N : 0 V : 0		

Prepare surfaces and remove all loose material.
Prime with one coat of Professional Primer with an
overcoating time of 16 hours and finish with one
coat of Acrylic paint thinned 20% and one coat
Acrylic paint. All to manufacturer's detail
specifications. Colour to Architect's approval. (H10)

14	On fibre cement fascia and barge boards	m2	1 307
	A : 179 B : 67 C : 76 D : 104		
	E : 81 F : 99 G : 85 H : 130		
	J : 111 K : 48 L : 38 M : 222		
	N : 68 V : 0		

ON PLASTER BOARD

Prepare surfaces and remove all loose material.
Prime with one coat of Plaster Primer with an
overcoating time of 16 hours and finish with two
coats of pure acrylic emulsion sheen paint with 2
hours drying time between coats. All to
manufacturer's detail specifications. Colour to
Architect's approval (C79, C81)

15	On partitioning	m2	1 435
	A : 1435 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 16
Paintwork

Prepare surfaces and remove all loose material.
Prime with one coat Primer with an overcoating time
of 16 hours and finish with one coat Acrylic paint
thinned 20% and one coat Acrylic paint. All to
manufacturer's detail specifications. Colour to
Architect's approval (D15, D16)

16	On plasterboard ceilings	m2	1 027
	A : 656 B : 137 C : 47 D : 24		
	E : 9 F : 6 G : 12 H : 15		
	J : 0 K : 0 L : 0 M : 121		
	N : 0 V : 0		

17	On bulkheads	m2	2 438
	A : 1035 B : 224 C : 240 D : 147		
	E : 126 F : 111 G : 92 H : 273		
	J : 122 K : 4 L : 4 M : 21		
	N : 40 V : 0		

ON METALWORK

Prepare surface and apply one coat Primer with an
overcoating time of 1 hour finish with two coats
pure acrylic paint with 2 hours drying time between
coats. All to manufacturer's detail specifications.
Colour to Architects approval.

18	On record room doors	m2	26
	A : 9 B : 9 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 9 V : 0		

19	On transformer doors	m2	165
	A : 15 B : 9 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 75 L : 0 M : 59		
	N : 0 V : 7		

20	On gates	m2	21
	A : 7 B : 7 C : 0 D : 4		
	E : 0 F : 0 G : 0 H : 0		
	J : 4 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 16
Paintwork

R

21	On steel columns	m2	75
	A : 75 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		
22	On door frames	m2	1 318
	A : 330 B : 158 C : 108 D : 116		
	E : 73 F : 92 G : 82 H : 107		
	J : 65 K : 24 L : 37 M : 114		
	N : 10 V : 3		
	<u>Remove all surface contaminants and paint with one coat of red oxide paint</u>		
23	Structural steel	m2	12 804
	A : 2991 B : 1417 C : 869 D : 1042		
	E : 566 F : 811 G : 611 H : 785		
	J : 691 K : 327 L : 195 M : 2134		
	N : 341 V : 24		
	<u>Apply Galvanised Iron Cleaner to all bare galvanised areas. Allow to react for 1 minute and rinse off with tap water using bristle brush or Scotch Brite pads to remove all surface contaminants, until surface is water break-free. Prime with one coat of Galvanised Iron Primer with an overcoating time of 24 hours and finish with two coats of Polyurethane alkyd paint with 16 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval</u>		
24	Fire water Pipes	m2	27
	A : 16 B : 2 C : 1 D : 1		
	E : 1 F : 1 G : 1 H : 1		
	J : 1 K : 1 L : 1 M : 2		
	N : 0 V : 0		

Carried to Collection

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 16
Paintwork

ON WOOD

Stop, fill, sand down and prepare wood surface. Prime with one coat Universal Epoxy Primer with an overcoating time of 4 hours and finish with two coats pure acrylic paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval

25	On doors	m2	3 270
	A : 874 B : 432 C : 275 D : 277		
	E : 173 F : 230 G : 209 H : 285		
	J : 158 K : 0 L : 90 M : 253		
	N : 14 V : 0		

Stop, fill, sand down and prepare wood surface. One coat wood primer one undercoat and two coats oil based paint system (B4)

26	On skirtings, rails, bars, etc not exceeding 300mm girth	m	712
	A : 712 B : 0 C : 0 D : 0		
	E : 0 F : 0 G : 0 H : 0		
	J : 0 K : 0 L : 0 M : 0		
	N : 0 V : 0		

Carried to Collection

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 16
Paintwork

R

Section No. 3

SECTION 3 - NEW HOSPITAL

Bill No. 16

Paintwork

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

500

501

502

503

504

505

506

507

Carried Forward to Summary of Section No. 3

R

Section No. 3
SECTION 3 - NEW HOSPITAL
Bill No. 16
Paintwork

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION 4</u>			
	<u>BUILDERS WORK (PROVISIONAL)</u>			
	<u>BILL NO 1</u>			
	<u>BUILDERS WORK IN CONNECTION WITH ELECTRICAL AND MECHANICAL SERVICES</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	The Tenderer is referred to Section 2 and the JBCC CPAP workgroups for similar items, which will apply equally to the work in this Bill unless otherwise described.			
	<u>NOTE:</u> All sleeve pipes and pipe conduits to be supplied with draw wires as necessary for fixing of cables and wiring			
	<u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 104 for JBCC CPAP purposes</i>			
	<u>EXCAVATIONS, ETC.</u>			
	<u>Excavate in earth and set excavated material aside for re-use as filling for:</u>			
1	Cable or sleeve trenches not exceeding 1m deep	m3	1 475	
2	Extra over excavations in 'earth' for cable or sleeve trenches in 'intermediate rock'	m3	28	
3	Extra over excavations in 'earth' for cable or sleeve trenches in 'hard rock'	m3	14	
	Carried to Collection			
	Section No. 4			
	SECTION 4 - BUILDERS WORK (PROVISIONAL)			
	Bill No. 1			
	Builderswork i.c.w electrical and mechanical services			
			R	

	<u>Provide bedding from carted on material from commercial sources including sifting and compaction to 90% MOD AASHTO density for backfilling to</u>		
4	Selected granular material	m3	1 406
	<u>Fill blanket from carted on material from commercial sources including sifting and compaction to 90% MOD AASHTO density for backfilling to</u>		
5	Selected fill material	m3	1 406
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 146 for JBCC CPAP purposes		
	<hr/>		
	<u>SLEEVES</u>		
	<u>uPVC sleeves laid in trenches (trenches elsewhere)</u>		
6	50mm Diameter sleeve pipes	m	1 060
7	75mm Diameter sleeve pipes	m	1 150
8	110mm Diameter sleeve pipes	m	7 519
9	110mm Long radius bend or elbow	No	13
10	160mm Diameter sleeve pipes	m	159
11	160mm Long radius bend or elbow	No	3
	<u>CONCRETE PLINTHS</u>		
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes		
	<hr/>		
	<u>REINFORCED CONCRETE</u>		
	<u>25MPa/19mm concrete</u>		
12	Concrete plinths	m3	240
	<u>Finishing top surfaces of concrete smooth with a steel float</u>		
13	Concrete plinths	m2	960
	Carried to Collection		
	Section No. 4		
	SECTION 4 - BUILDERS WORK (PROVISIONAL)		
	Bill No. 1		
	Builderswork i.c.w electrical and mechanical services		

R

NOTE: The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes

Rough formwork to sides

14	To sides of concrete plinths	m2	500
----	------------------------------	----	-----

TRENCH COVERS

NOTE: The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes

Concrete cover

15	Precast concrete trench cover size 1300 x 300mm x 100mm thick.	No	77
16	Precast concrete trench cover size 1500 x 300mm x 100mm thick.	No	232
17	Precast concrete trench cover size 1100 x 300mm x 125mm thick.	No	43
18	Precast concrete trench cover size 1300 x 300mm x 125mm thick.	No	36

NOTE: The following items shall be deemed to fall into Work Group No 134 for JBCC CPAP purposes

The following in galvanised stringers, sections, vastraps, etc.

19	Gripweld A60 50 x 4.5mm banded grating, laid in mild steel angle (elsewhere measured)	m2	60
20	Gripweld B60 80 x 4.5mm banded grating, laid in mild steel angle (elsewhere measured)	m2	7
21	3mm "Vastrap" plate welded to top of Gripweld grating	m2	27
22	4.6mm "Vastrap" plate	m2	218
23	Angle sections	t	3.07
24	Flat bar in lugs	t	0.13

Carried to Collection

Section No. 4
SECTION 4 - BUILDERS WORK (PROVISIONAL)
Bill No. 1
Builderswork i.c.w electrical and mechanical services

R

NOTE: The following items shall be deemed to fall into Work Group No 146 for JBCC CPAP purposes

MANHOLES

Manhole formed of precast concrete rings of dolomite origin bedded and jointed with joints between rings sealed on the external perimeter with an approved high grade highly conformable cold applied corrosion protection petroleum tape, with bottom ring set on and including minimum 250mm thick concrete 20MPa slab (foundation) projecting beyond external face of manhole ring and sealed to ring with 20MPa concrete triangular fillet complete with and including 150mm thick 20MPa precast concrete cover slab to SABS 1294 specification with 750mm diameter shaft opening placed over precast concrete rings and bedded and jointed in polyamide cured thixotropic epoxy adhesive paste and with two 75mm thick precast reinforced concrete spacer slabs with 560mm diameter shaft opening placed over cover slab and bedded and jointed in polyamide cured thixotropic epoxy adhesive paste complete with and including galvanised malleable cast iron steps at 250mm vertical centres, including concrete 20MPa benching in bottom with top surfaces to falls and finished smooth with 3:1 mortar (plaster) coat complete with and including 150mm vitrified clay channels, channel beds, channel junctions, etc including additional excavation and backfilling compacted to 90% Mod AASHTO

25	Manhole 800mm internal diameter not exceeding 1m deep	No	48
26	Manhole 1000mm internal diameter not exceeding 1m deep	No	6
27	Manhole 1500mm internal diameter not exceeding 1m deep	No	4
<u>Manhole covers, etc.</u>			
28	SABS Type 4 medium duty cast iron double seal manhole cover and frame, with frame bedded in 3:1 cement mortar and cover sealed in tallow (See Drawing 20.00GZA04.D008, attached to the back of these bills of quantities)	No	58

Carried to Collection

R

Section No. 4
SECTION 4 - BUILDERS WORK (PROVISIONAL)
Bill No. 1
Builderswork i.c.w electrical and mechanical services

NOTE: The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes

PENETRATIONS IN ROOF SLABS

All smooth formwork must be cleaned, all unevenness removed, properly prepared and then finished with a final coat of cementitious paint to give a smooth and even finish

30 MPa/19 mm concrete in

29	Slabs	m3	33
----	-------	----	----

Core drilling hole exceeding 50mm and not exceeding 100mm diameter

30	255mm Concrete slab	No	72
----	---------------------	----	----

Core drilling hole exceeding 100mm and not exceeding 200mm diameter

31	255mm Concrete slab	No	275
----	---------------------	----	-----

NOTE: The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes

Rough formwork to soffits of:

32	Slabs	m2	332
----	-------	----	-----

Boxing in rough formwork to form:

33	25 x 25mm Horizontal chamfer along top of slab	m	2 461
----	--	---	-------

NOTE: The following items shall be deemed to fall into Work Group No 114 for JBCC CPAP purposes

High tensile steel lifting lugs cast in concrete

34	6mm Diameter bars	No	1 144
----	-------------------	----	-------

NOTE: The following items shall be deemed to fall into Work Group No 116 for JBCC CPAP purposes

Carried to Collection

R

Section No. 4
SECTION 4 - BUILDERS WORK (PROVISIONAL)
Bill No. 1
Builderswork i.c.w electrical and mechanical services

Brickwork of clay bricks in 3:1 cement mortar in loadbearing walls, etc

35	Half brick walls	m2	1 080
----	------------------	----	-------

Brick reinforcement

36	75mm Wide reinforcement built in horizontally	m	12 705
----	---	---	--------

Prestressed concrete lintels

37	115mm Wide lintels in lengths not exceeding 3m	m	265
----	--	---	-----

NOTE: The following items shall be deemed to fall into Work Group No 146 for JBCC CPAP purposes

uPVC sleeves laid in slabs

38	50mm Diameter sleeve pipes	m	28
----	----------------------------	---	----

39	160mm Diameter sleeve pipes	m	255
----	-----------------------------	---	-----

Carried to Collection

R

Section No. 4
SECTION 4 - BUILDERS WORK (PROVISIONAL)
Bill No. 1
Builderswork i.c.w electrical and mechanical services

Section No. 4
SECTION 4 - BUILDERS WORK (PROVISIONAL)
Bill No. 1
Builderswork i.c.w electrical and mechanical services

SUMMARY

Total Brought Forward from Page No.

**Page
No** **Amount**

510
511
512
513
514
515

Carried to Final Summary

R

Section No. 4
SECTION 4 - BUILDERS WORK (PROVISIONAL)
Bill No. 1
Builderswork i.c.w electrical and mechanical services

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>BILL NO 1</u>			
	<u>DEMOLITIONS</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 104 for JBCC CPAP purposes</i>			
1	Contractors are to fully acquaint themselves with the position of existing buildings to be demolished on the hospital complex site, access to these areas, the nature of structures and contents within the buildings, as no further claims relating to the above shall be entertained within the project	Item		
2	All material become the property of the Contractor and are to be removed by him from the site. All debris and rubbish arising from the alterations are to be immediately carted away and the site left clear and unencumbered	Item		
3	Any breaking up, breaking down, etc. and removal of existing work must be done with the greatest care to prevent any form of structural or other damage to work or items not due to be removed. If any such damage may occur it will be made good by the Contractor on his own expense	Item		
	Carried to Collection		R	
	Section No. 5			
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
	Bill No. 1			
	Demolitions			

4	The Contractor must take cognisance of the fact that the site is part of an existing fully operational hospital. Throughout the construction period, the hospital and its services will have to remain fully operational at all times and great care should be taken to cause minimal possible disruptions to the functionality of the facility				
			Item		
	<u>REMOVAL OF TREES ETC</u>				
	<u>Taking out and removing, grubbing up roots and filling in holes</u>				
	<u>Removal of trees</u>				
5	Cutting down and removing trees exceeding 200mm and not exceeding 500mm girth, including grubbing up roots, all necessary filling in of holes, lightly compacted and roughly levelled	No	4		
6	Ditto, but exceeding 500mm and not exceeding 1000mm girth	No	6		
7	Ditto, but exceeding 1500mm and not exceeding 2000mm girth	No	5		
8	Ditto, but exceeding 2000mm and not exceeding 2500mm girth	No	2		
9	Ditto, but exceeding 2500mm and not exceeding 3000mm girth	No	2		
	<u>Removal of stumps</u>				
10	Cutting down and removing stumps exceeding 1500mm and not exceeding 2000mm girth, including grubbing up roots, all necessary filling in of holes, lightly compacted and roughly levelled	No	3		
11	Ditto, but exceeding 2000mm and not exceeding 2500mm girth	No	1		
	<u>BREAKING UP AND REMOVING</u>				
12	Break up and remove existing mass concrete apron, not exceeding 100mm thick including preparation, roughly levelling ground surfaces, ramming, etc.	m2	108		
13	Ditto, but in various isolated areas, 100mm thick	m2	34		
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 1				
	Demolitions				

14	Break up and remove existing 80mm thick concrete block paving on sand bedding	m2	4 974
15	Break down and remove palisade fence, approximately 2400mm high, complete with all posts, double gate, droppers, concrete footings, concrete underdig, etc. including necessary excavations, filling, compaction, roughly levelling, etc.	m	341
<u>WALLS AND WALL FINISHES</u>			
16	Break down and remove existing one brick screen wall (maximum 1.3m high) complete with brickwork under ground level and mass concrete strip foundation, including necessary excavations, filling, compaction, roughly levelling ground surface, etc.	m	12
<u>DEMOLITIONS</u>			
17	Break down and remove existing single storey building with sloping roof approximately 276m2 on plan and average 3.00m high, comprising of 100mm thick concrete surface bed, one brick external walls, mainly half brick internal walls and sheet steel roof covering on timber structure complete with foundations, windows, doors, internal plumbing, etc, and blind off all existing plumbing and drainage services, including any necessary excavations, filling, compaction, roughly levelling ground surface, carting away, etc (Staff residence)	No	1
18	Break down and remove existing single storey building with sloping roof approximately 120m2 on plan and average 3.00m high, comprising of 100mm thick concrete surface bed, one brick external walls, mainly half brick internal walls and sheet steel roof covering on timber structure complete with foundations, windows, doors, internal plumbing, etc, and blind off all existing plumbing and drainage services, including any necessary excavations, filling, compaction, roughly levelling ground surface, carting away, etc (Staff residence)	No	1

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 1
Demolitions

19	Break down and remove existing single storey building with sloping roof approximately 30m ² on plan and average 3.00m high, comprising of 100mm thick concrete surface bed, one brick external walls, mainly half brick internal walls and sheet steel roof covering on timber structure complete with foundations, windows, doors, internal plumbing, etc, and blind off all existing plumbing and drainage services, including any necessary excavations, filling, compaction, roughly levelling ground surface, carting away, etc (Staff residence)	No	1		
20	Break down and remove existing carport wood structure with sloping roof approximately 44m ² on plan and average 3.00m high, comprising of wood structure and sheet steel roof covering on wood structure complete with concrete footings, etc., including any necessary excavations, filling, compaction, roughly levelling ground surface, carting away, etc (Carport)	No	1		
<u>Disconnect existing services</u>					
21	Disconnect and make safe electrical connections to the various structures as prescribed above	No	3		
22	Disconnect and make safe water connections to the various structures as prescribed above	No	3		
23	Disconnect and make safe sewer connections to the various structures as prescribed above	No	3		
Carried to Collection					
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 1					
Demolitions					

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 1

Demolitions

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

517

518

519

520

Carried Forward to Summary of Section No. 5

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 1

Demolitions

Item No	Quantity	Rate	Amount
<u>SECTION 5</u>			
<u>EXTERNAL WORKS (PROVISIONAL)</u>			
<u>BILL NO 2</u>			
<u>GENERAL SITE WORKS, ROADS AND PAVING</u>			
<u>PREAMBLES</u>			
<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
<u>TRADE NAMES</u>			
Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
<u>Nature of ground</u>			
A soils investigation has been carried out on site by the engineer and the report is available for inspection at the offices of the engineers. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured			
<u>Carting away of excavated material</u>			
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
The Tenderer is referred to Section 3 and the JBCC CPAP workgroups for similar items, which will apply equally to the work in this Bill unless otherwise described.			
<u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 154 for JBCC CPAP purposes</i>			
<hr/>			
Carried to Collection			R
Section No. 5			
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
Bill No. 2			
General Site Works, Roads and Paving			

SITE CLEARANCE ETC**Site clearance**

1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	70 551
2	Stripping average 200mm thick layer of top soil and stockpiling on site	m3	6 000

BULK EXCAVATION, ETC

Note: The costs of soil, compaction, etc. tests in accordance with SABS 1200 are to be included in the rates for the relevant works

Open face excavation in earth over sloping site

3	Excavate in all material to form platforms and spoil at dumping site to be located by contractor	m3	98 000
4	Ditto, but to form attenuation pond	m3	1 200
5	Excavate in all material to form platforms and stockpile on site including all haulage	m3	10 200

Extra over bulk excavation in earth for excavation in

6	Intermediate rock	m3	2 044
7	Hard rock	m3	1 022

Extra over all excavations for carting away

8	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	5 467
---	--	----	-------

Compaction of surfaces

9	Compaction of ground including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	51 937
---	--	----	--------

Keeping excavations free of water

10	Keeping excavations free of water in all excavations in External Works	Item	
----	--	------	--

Carried to Collection**R**

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 2
General Site Works, Roads and Paving

FILLING ETC.

Earth filling obtained from the excavations and / or prescribed stock piles on site including haulage not exceeding 500m from perimeter of excavations or stock piles compacted in layers not exceeding 150mm to 93% modified AASHTO density

11	Fill to platform	m3	7 750
12	Fill to attenuation pond berms	m3	700

Approved G7 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 93% Mod. AASHTO density

13	Fill to platforms	m3	81 500
14	Fill to attenuation pond berms	m3	1 118

GABIONS

GABIONS - SANS 1200DK:1995 (Double twist hexagonal wire mesh to SANS 1580:2005)

15	Mesh Type 80 with 2.7mm Class A Galvanised wire (2m x 1m x 1m box size) material and delivery	m3	840
16	Surface preparation for bedding of gabions	m2	315
17	Installation of gabion units (including unfolding, placing, filling, lacing and bracing)	m3	840
18	Rockfill	m3	840

GEOTEXTILE

19	Bidim A4 nonwoven, continuous filament, needlepunched polyester geotextile	m2	600
----	--	----	-----

Fig 12 kerbing

20	Straight sections	m	44
----	-------------------	---	----

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 2
General Site Works, Roads and Paving

R

THE FOLLOWING IN EXTERNAL ROADS AND PARKING AREAS

MILLING

Milling out existing bituminous material with an average depth of:

This rate shall include milling, loading, transporting and disposing of material at an approve dump site located by the contractor. Rate for site establishment and de-establishment to be included in the rate provided.

21	Exceeding 30mm but not exceeding 60mm	m2	1 890
----	---------------------------------------	----	-------

EARTHWORKS

Open face excavation in compacted layer works including existing asphalt

22	Excavate to reduce levels under paving etc and spoil at dump site located by contractor	m3	1 056
----	---	----	-------

23	Excavate to reduce levels under paving etc and stockpile on site	m3	264
----	--	----	-----

TREATMENT OF ROADBED

24	Roadbed preparation and compaction of material to minimum 90% mod AASHTO density	m2	3 470
----	--	----	-------

Approved G7 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 93% Mod. AASHTO density

25	Road layer works	m3	660
----	------------------	----	-----

Approved G5 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 95% Mod. AASHTO density

26	150mm Thick sub base	m3	330
----	----------------------	----	-----

Approved G1 graded crushed stone supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 88% apparent density

27	150mm Thick base	m3	330
----	------------------	----	-----

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 2
General Site Works, Roads and Paving

PROCESSING AND STABILIZATION

28	Process layerworks	m3	330
29	Stabilizing agent portland cement	t	25

**SEGMENTED PAVING INTERLOCKING
PRECAST CONCRETE PAVING**

Grey interlocking precast concrete paving blocks type SA, including all cutting of units to fit between edge restraints, laid on and including 20mm riversand bed, compacted and plastersand broomed into joints on completion

30	60mm To sidewalks	m2	250
31	80mm To roads	m2	276

ASPHALT BASE AND SURFACING**Prime coat using**

32	MC-30 cut-back bitumen	l	3 000
----	------------------------	---	-------

Tack coat using

33	30% Cationic stable grade emulsion	l	3 000
----	------------------------------------	---	-------

Continuously graded TPA medium asphalt with 80/100 penetrating grade bitumen binder

34	40mm Thick	m2	3 000
----	------------	----	-------

CORE DRILLING

35	100mm Core drilling in asphalt paving and testing	No	5
----	---	----	---

Saw-cutting of asphalt base or paving

36	40mm Thick asphalt surfacing	m	270
----	------------------------------	---	-----

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 2
General Site Works, Roads and Paving

KERBING, CHANNELLING, EDGE BEAMS, ETC**PRECAST CONCRETE KERBING****Fig 3 kerbing**

37	Curved sections, radius over 4m, but up to and including 20m	m	50
----	--	---	----

Fig 7 kerbing

38	Straight sections	m	5
39	Curved sections, radius over 20m	m	10
40	Curved sections, radius over 4m, but up to and including 20m	m	130
41	Curved sections, radius over 1m, but up to and including 4m	m	8

Fig 8C kerbing

42	Straight sections	m	310
43	Curved sections, radius over 20m	m	110
44	Curved sections, radius over 4m, but up to and including 20m	m	40

**TRAFFIC SIGNS MEASURED IN NUMBER
ANCILLARY ROADWORKS TRAFFIC SIGNS
ERECTED COMPLETE****Statutory signs, street names, etc supplied and erected complete, including posts, excavation, etc****Provision and erection of regulatory traffic signs for 60km/h design standard, complete**

45	Stop sign (R1)	No	8
46	4-Way Stop sign (R1.4)	No	1
47	Yield sign (R2)	No	4
48	Yield at traffic circle sign (R2.2)	No	4

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 2
General Site Works, Roads and Paving

R

49	Speed limit (R201)	No	3
50	Busses/minibusses (R136)	No	1
	<u>Provision and erection of warning traffic signs for 60km/h design standard, complete</u>		
51	Traffic circle (W201)	No	3
52	Single sharp curve chevron (W405/6)	No	4
	<u>ROAD MARKINGS</u>		
	<u>RETRO-REFLECTIVE ROAD MARKINGS</u>		
	<u>Retro-reflective paint applied at a nominal rate of 0,42l/m²</u>		
	<u>White lines (broken or unbroken)</u>		
53	100mm Lines	m	200
54	150mm Lines	m	20
	<u>Yellow lines (broken or unbroken)</u>		
55	100mm Lines	m	135
56	150mm Lines	m	15
57	White characters and symbols	m ²	12
58	Yellow characters and symbols	m ²	12
59	Traffic island markings (any colour)	m ²	35
	<u>ACCOMMODATION OF TRAFFIC</u>		
60	Accommodation of traffic during construction		Item
	<u>THE FOLLOWING IN INTERNAL ROADS AND PARKING AREAS</u>		
	<u>Excavate to reduce levels under paving etc</u>		
61	Reduced levels under roads etc and spoil at dump site to be located by contractor	m ³	16 643
62	Reduced levels under roads etc and stockpile on site	m ³	2 500
	Carried to Collection		
	Section No. 5		
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)		
	Bill No. 2		
	General Site Works, Roads and Paving		

R

	<u>Extra over bulk excavation in earth for excavation in</u>		
63	Intermediate rock	m3	260
64	Hard rock	m3	160
	<u>Extra over all excavations for carting away</u>		
65	Extra over all excavations for carting surplus excavated material and spreading, levelling and lightly compacting on site where directed average 500m from the excavations (Measured nett- no allowance made for bulking)	m3	6 677
	<u>Keeping excavations free of water</u>		
66	Keeping excavations free of all water other than subterranean water		Item
	<u>Compaction of surfaces</u>		
67	Scarify earth surface to a depth of 150mm, breaking down over size material and reconsolidate to 90% modified AASHTO density	m2	24 745
	<u>Approved C4 filling supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm</u>		
68	Base under roads	m3	4 516
	<u>Approved G7 filling supplied by the contractor compacted to 93% Mod AASHTO density in layers not exceeding 150mm</u>		
69	Subbase under roads	m3	4 674
	<u>Approved G9 filling supplied by the contractor compacted to 93% Mod AASHTO density in layers not exceeding 150mm imported</u>		
70	Subbase under roads	m3	4 516
	<u>Filling from stock pile including sifting and compaction in layers not exceeding 150mm to 93% MOD AASHTO density</u>		
71	Filling under roads	m3	1 280
Carried to Collection			
Section No. 5			
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
Bill No. 2			
General Site Works, Roads and Paving			

R

	<u>Pavers</u>				
72	50mm Thick grey interlocking concrete paving blocks (S-A) with chamfered edges, laid on a 20mm thick river sand bedding (elsewhere measured) including cement and sand filling to joints and vibrating, to roadways and parking bays	m2	1 480		
73	80mm Thick grey double zig-zag interlocking concrete paving blocks (S-A) with chamfered edges, laid on a 20mm thick river sand bedding (elsewhere measured) including cement and sand filling to joints and vibrating, to roadways and parking bays	m2	17 119		
74	Circular cutting	m	1 555		
	<u>Mass concrete (25Mpa) in:</u>				
75	Concrete paving	m3	473		
	<u>Finishing top surface of concrete smooth with a wood float</u>				
76	Surface beds, slabs, etc	m2	2 042		
	<u>Fabric reinforcement</u>				
77	Type 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	460		
	<u>Contraction joints formed of jointex</u>				
78	12mm Jointex in vertical joint through concrete surface beds not exceeding 300mm thick including raking out top section 15mm deep and filling with bituminous compound	m	35		
	<u>Isolation joint formed of bitumen impregnated backing board or jointex</u>				
79	10mm Thick backing board between horizontal concrete surfaces not exceeding 300 mm high or wide including raking out top section 15mm deep and filling with bituminous compound	m	693		
	<u>Saw cut joints</u>				
80	3 x 55mm Saw cut joints in top of concrete surface bed	m	745		
81	Saw cut joints reamed to 10 x 35mm deep	m	745		
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 2				
	General Site Works, Roads and Paving				

<u>Rough formwork to sides</u>				
82	Edges, risers, ends and reveals not exceeding 300mm high circular not exceeding 1m radius	m	48	
<u>High tensile steel dowel bars</u>				
83	32mm Diameter dowel bar 400mm long embedded in side of concrete at expansion joint	No	650	
<u>20mm River sand</u>				
84	Under paving	m2	21 691	
<u>Approved weed killer (Certificate to be provided before payment)</u>				
85	Hyvar X or other equally approved soil herbicide at a rate of 50 gram/m2 under paving etc.	m2	21 691	
<u>Sleeves</u>				
86	160mm dia. PVC sleeves pipe and excavation not exceeding 1m deep	m	426	
<u>KERBS, ETC</u>				
<u>Precast concrete kerbs:</u>				
87	Figure 7 barrier precast concrete kerb, size 1000 x 280 x 180mm thick, placed in position, bedded and jointed in (3:1) cement mortar and flush pointed on exposed faces, including 15MPa/19mm unreinforced concrete haunching at back of each joint, excavation, backfilling, ramming, etc.	m	2 257	
88	Ditto, but circular on plan not exceeding 4m radius	m	1 560	
89	Figure 8b mountable precast concrete kerb, size 1000 x 175 x 300mm thick, placed in position, bedded and jointed in (3:1) cement mortar and flush pointed on exposed faces, including 15MPa/19mm unreinforced concrete haunching at back of each joint, excavation, backfilling, ramming, etc.	m	104	
90	Figure 8c mountable precast concrete kerb, size 1000 x 200 x 300mm thick, placed in position, bedded and jointed in (3:1) cement mortar and flush pointed on exposed faces, including 15MPa/19mm unreinforced concrete haunching at back of each joint, excavation, backfilling, ramming, etc.	m	103	
Carried to Collection				
Section No. 5				
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
Bill No. 2				
General Site Works, Roads and Paving				

R

91	Ditto. but circular on plan not exceeding 4m radius	m	2
92	150 x 100mm Concrete edge beam of class 20/19mm concrete	m	2 036
93	Ditto, but circular on plan not exceeding 4m radius	m	1 678
94	200 x 300mm Concrete edge beam of class 20/19mm concrete	m	132
<u>THE FOLLOWING IN CONCRETE WALLS</u>			
<u>Excavation in earth or compacted filling not exceeding 2m deep</u>			
95	Trenches	m3	348
<u>Extra over all excavations for carting away</u>			
96	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	152
<u>Risk of collapse of excavations</u>			
97	Sides of trench and hole excavations exceeding 1,5m deep	m2	257
<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density</u>			
98	Backfilling to trenches, holes, etc	m3	195
<u>15MPa/19mm concrete</u>			
99	Blinding under strip footings on excavated surfaces	m3	24
<u>25 MPa/19 mm concrete in</u>			
100	Retaining wall footings	m3	131
101	Retaining walls, stepped and level	m3	312
<u>Smooth formwork to sides</u>			
102	Retaining walls	m2	2 497
Carried to Collection			
Section No. 5			
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
Bill No. 2			
General Site Works, Roads and Paving			

R

	<u>Boxing in smooth formwork to form:</u>		
103	20 x 20mm Horizontal chamfer along corner of beam	m	302
	<u>Mild steel reinforcement</u>		
104	8 mm Diameter bars	t	13.30
	<u>High tensile steel rod reinforcement to structural concrete work</u>		
105	10mm Diameter bars	t	13.30
106	12mm Diameter bars	t	13.30
107	16mm Diameter bars	t	13.30
	<u>The following in welded and bolted galvanised steel columns</u>		
108	Rectangular hollow section columns	t	1.625
109	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	0.54
	<u>Chemical bolts</u>		
110	M16 Chemical anchor bolts	No	308
	<u>Apply 12mm thick cement plaster 1:4 mixture to concrete in one operation with steel trowel. Smooth and prepare surfaces and remove all loose material, and rinse</u>		
111	On retaining walls	m2	2 497
	<u>Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications Colour to Architect's approval (H38)</u>		
112	External walls	m2	2 497
Carried to Collection			
Section No. 5			
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
Bill No. 2			
General Site Works, Roads and Paving			

R

FINANCIAL PROVISIONS

MOCK-UP ROOM

113 Allow the amount of R 200,000.00 (Two Hundred Thousand Rand) for the construction of a 2-bed ward, standard ablution and 20m2 of passage as a mock-up room for snagging including all floor finishes and fittings, two months prior to start of final finishes of project. This work will be measured on completion and priced at scheduled rates.

Item

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 2
General Site Works, Roads and Paving

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 2

General Site Works, Roads and Paving

SUMMARY

Total Brought Forward from Page No.

**Page
No** **Amount**

522

523

524

525

526

527

528

529

530

531

532

533

534

Carried Forward to Summary of Section No. 5

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 2

General Site Works, Roads and Paving

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>BILL NO 3</u>			
	<u>COVERED WALKWAYS, CANOPIES, ETC</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>THE FOLLOWING IN COVERED WALKWAYS</u>			
	<u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 104 for JBCC CPAP purposes</i>			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth or compacted filling not exceeding 2m deep</u>			
1	Ground beams	m3	134	
	<u>Extra over all excavations for carting away</u>			
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	134	
	<u>Risk of collapse of excavations</u>			
3	Sides of trench and hole excavations not exceeding 1,5m deep	m2	894	
	Carried to Collection			
	Section No. 5			
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
	Bill No. 3			
	Covered Walkways, Canopies, etc			

R

Approved G7 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 95% Mod. AASHTO density

4	Under solid floors	m3	362
---	--------------------	----	-----

50mm Thick coarse river sand filling supplied by the contractor

5	Under floors etc	m2	1 205
---	------------------	----	-------

Compaction of surfaces

6	Compaction of ground surface under surface beds etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	1 205
---	---	----	-------

SOIL INSECTICIDE

Soil insecticide in accordance with SANS 5859

7	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming (Certificate to be supplied before payment is made)	m2	1 205
---	---	----	-------

8	To bottoms and sides of trenches and holes (Certificate to be supplied before payment is made)	m2	1 157
---	--	----	-------

NOTE: The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes

UNREINFORCED CONCRETE

15MPa/19mm concrete

9	Blinding under ground beams on excavated surfaces	m3	13
---	---	----	----

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

25MPa/19mm concrete

10	Ground beams	m3	134
----	--------------	----	-----

11	Surface beds and ramps cast in panels on waterproofing	m3	122
----	--	----	-----

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 3
Covered Walkways, Canopies, etc

CONCRETE SUNDRIES**Finishing top surface of concrete smooth with a wood float in**

12	Surface beds, slabs, etc	m2	1 205
----	--------------------------	----	-------

ROUGH FORMWORK (DEGREE OF ACCURACY II)

NOTE: The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes

Rough formwork to sides

13	Edges, risers, ends and reveals not exceeding 300mm high	m	876
----	--	---	-----

Saw cut joints

14	3 x 40mm Saw cut joints in top of concrete surface bed	m	269
----	--	---	-----

REINFORCEMENT

NOTE: The following items shall be deemed to fall into Work Group No 114 for JBCC CPAP purposes

Mild steel rod reinforcement to structural concrete work

15	8mm Diameter bars	t	1.207
----	-------------------	---	-------

High tensile steel rod reinforcement to structural concrete work in foundations

16	10mm Diameter bars	t	1.207
----	--------------------	---	-------

17	12mm Diameter bars	t	1.207
----	--------------------	---	-------

18	16mm Diameter bars	t	1.207
----	--------------------	---	-------

19	20mm Diameter bars	t	1.207
----	--------------------	---	-------

Fabric reinforcement

20	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	1 205
----	---	----	-------

Carried to Collection

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 3

Covered Walkways, Canopies, etc

NOTE: The following items shall be deemed to fall into Work Group No 120 for JBCC CPAP purposes

DAMP-PROOFING OF WALLS AND FLOORS

One layer of 250 micron green polyethylene waterproof sheeting sealed at laps with PVC self adhesive tape

21	Under surface beds	m2	1 205
----	--------------------	----	-------

NOTE: The following items shall be deemed to fall into Work Group No 124 for JBCC CPAP purposes

PROFILED METAL SHEETING AND ACCESSORIES

Concealed Fix Zinc coating 0,58mm thick 700mm cover profile spelter top coat (Non-standard colour to Architect's approval) and backing coat (Non-standard colour to Architect's approval). Finish with approved zinc coat finishing to both sides on covered walkways or when exposed to bottom. Colours (Non standard) to Architect's approval. Galvanised steel roof sheeting, fixed to steel intermediate purlins at max 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.16 x 16mm long self-drilling wafer head screws, No. 3 drill point fasteners or fixed to timber intermediate purlins at 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.11 x 45mm long self-drilling wafer head screws, type 17 drill point fasteners, all in accordance with the manufacturer's specifications. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer. (H1)

22	Roof sheeting with pitch not exceeding 25 degrees, fixed to steel purlins	m2	1 320
----	---	----	-------

Carried to Collection

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 3

Covered Walkways, Canopies, etc

R

0,53mm Thick zinc / aluminium colour coated finish - Ultra steel AZ200 spelter G550 top coat (Non standard colour to Architect's approval) and backing coat (Non standard colour to Architect's approval), fixed to steel purlins (measured elsewhere) by approved brackets all in strict accordance with manufacturer's specification. Colours and type to Architect's approval (H2, H3, H4, H5, H6)

23	Head wall flashing girth 375mm, two times bent along girth and notched on site to suit roof profile. Complete with metal and poly closers	m	76
24	Valley gutter flashing girth 610mm seven times bent along girth and notched on site to suit profile. Complete with metal and poly closers	m	24
25	Hip capping 550mm girth three times bent along girth and notched on site to suit profile. Complete with metal and poly closers	m	10

NOTE: The following items shall be deemed to fall into Work Group No 134 for JBCC CPAP purposes

STEEL TRUSSES, ETC.

Galvanised welded beams, purlins, rafters, etc.

26	100 x 100 x 3mm Square hollow section beam	t	3.483
27	100 x 50 x 3mm Rectangular hollow section beam	t	3.992
28	100 x 50 x 20 x 2mm Cold formed lipped channel	t	5.740

The following in welded and bolted galvanised steel columns

29	102 x 3mm Circular hollow section column	t	3.635
30	100 x 100 x 3mm Square hollow section column	t	2.601

The following in galvanised welded bracing, sag rods, gusset plates, etc. bolted to steel structure, etc.

31	50 x 50 x 4mm Angle section	t	0.207
32	50 x 50 x 5mm Angle section	t	0.575

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 3
Covered Walkways, Canopies, etc

R

33	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	2.63	
	<p><u>NOTE:</u> The following items shall be deemed to fall into Work Group No 152 for JBCC CPAP purposes</p> <hr/> <p><u>Remove all surface contaminants and paint with one coat of red oxide paint</u></p>			
34	Structural steel	m2	1 219	
	<p><u>THE FOLLOWING IN WELDED AND BOLTED CANOPIES</u></p> <p><u>NOTE:</u> The following items shall be deemed to fall into Work Group No 124 for JBCC CPAP purposes</p> <hr/> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p><u>Concealed Fix Zinc coating 0.58mm thick AZ150 sheeting with Clean colour coated finish to top side - Colour: Non standard colour) and with spelter G550 Shadow Grey backing coat, finish with approved zinc coat finishing to both sides on covered walkways or when exposed to bottom. Colours (Non standard) to Architect's approval. Sheeting to be taper cut, bent and fixed with special "Butterfly" cleats onto curved mild steel purlins and stand up seem to be covered with button punched Rib Cap, with colour coated finish to one side and half coat Grey other side. (Finish with colour coated finish to both sides on covered walkways or when exposed to bottom). Installed on site with patented seaming tools - all to achieve a screwless watertight. Colours (Non standard) to Architect's approval, all in accordance with the manufacturer's specifications. (H141)</u></p>			
35	Roof sheeting with pitch not exceeding 25 degrees, fixed to steel purlins	m2	663	
36	Extra over roof sheeting for circular cutting	m	96	

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 3
Covered Walkways, Canopies, etc

0,8mm Thick zinc / aluminium colour coated finish - Ultra steel AZ200 spelter G550 top coat (Non standard colour to Architect's approval) and backing coat (Non standard colour to Architect's approval), fixed to steel purlins (measured elsewhere) by approved brackets all in strict accordance with manufacturer's specification. Colours and type to Architect's approval

37	Apex flashing (purpose made) girth 310mm, three times bent along girth and notched on site to suit roof profile. Complete with metal and poly closers (See <u>Drawing TYP-042-005</u> attached to the back of these bills of quantities)	m	61
38	Ditto, but circular on plan	m	48
39	Side flashing (purpose made) girth 220mm, one time bent along girth on site to suit roof profile. Complete with metal and poly closers (See <u>Drawing A-042-002</u> attached to the back of these bills of quantities)	m	61
40	Rafter end flashing (purpose made) girth 300mm, three times bent along girth on site to suit roof profile. Complete with metal and poly closers (See <u>Drawing A-042-002</u> attached to the back of these bills of quantities)	m	61
<p><u>0,53mm Thick zinc / aluminium colour coated finish - Ultra steel AZ200 spelter G550 top coat (Non standard colour to Architect's approval) and backing coat (Non standard colour to Architect's approval), fixed to steel purlins (measured elsewhere) by approved brackets all in strict accordance with manufacturer's specification. Colours and type to Architect's approval (H2, H3, H4, H5, H6)</u></p>			
41	Curved side wall flashing 408mm girth, two times bent along girth, Counter flashing 185mm girth, two times bent along girth. Complete with metal and poly closers	m	48
42	Hip capping 550mm girth three times bent along girth and notched on site to suit profile. Complete with metal and poly closers	m	85

NOTE: The following items shall be deemed to fall into Work Group No 134 for JBCC CPAP purposes

Carried to Collection

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 3

Covered Walkways, Canopies, etc

STEEL TRUSSES, ETC.**Galvanised welded beams, purlins, rafters, etc.**

43	100 x 50 x 3mm Rectangular hollow section purlins (circular on plan)	t	1.443
44	120 x 60 x 3mm Rectangular hollow section purlins	t	2.264
45	160 x 80 x 3mm Rectangular hollow section purlins (circular on plan)	t	5.221
46	254 x 147 x 31kg/m I-section beam	t	2.902
47	305 x 165 x 40kg/m I-section beam	t	5.691

The following in galvanised welded bracing, sag rods, gusset plates, etc. bolted to steel structure, etc.

48	50 x 50 x 4mm Angle section	t	0.522
49	114 x 3mm Circular hollow section	t	0.930
50	114 x 6mm Circular hollow section	t	0.747

The following in welded and bolted galvanised steel columns

51	273 x 10mm Circular hollow section column	t	2.824
52	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	0.29

Gutters

53	3 mm Thick galvanised steel rainwater gutter 930mm girth, welded to form slope at bottom, four times bent and fixed to purlins, including painting inside with epoxy tar, welding complete.	m	61
54	3 mm Thick galvanised steel rainwater gutter 860mm girth, welded to form slope at bottom, three times bent and fixed to purlins, including painting inside with epoxy tar, welding complete circular on plan	m	48

NOTE: The following items shall be deemed to fall into Work Group No 152 for JBCC CPAP purposes

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 3
Covered Walkways, Canopies, etc

R

<u>Remove all surface contaminants and paint with one coat of red oxide paint</u>			
55	Structural steel	m2	787
<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 136 for JBCC CPAP purposes			
<u>WELDED SCREENS, GATES, BURGLAR BARS ETC</u>			
<u>Natural Aluminium Softwafe cladding used as ceiling panels, all in accordance with the manufacturer's instructions and Architects Approval. (H285) (See Drawing A042-001, A042-002 attached to the back of these bills of quantities)</u>			
56	Aluminium ceiling panels	m2	97
<u>SL 84C Series Colour-Tech G4 pre-coated 84mm wide x 0,6mm gauge aluminium sun louvre blades in colour Barley White clipped onto 0,9mm gauge aluminium S4 stringers with 86mm tongue spacings, fastened to custom designed aluminium sub-structure at 1000mm centres, fastened to adjustable brackets bolted to face of building. The whole to be designed and installed by an approved specialist, all in accordance with the manufacturer's recommendations. (H85) (See Drawing A-042-005 attached to the back of these bills of quantities)</u>			
57	Panel frame 3811 x 1206mm high overall	No	10
58	Panel frame 4128 x 1020mm high overall	No	2
59	Panel frame 4128 x 1206mm high overall	No	2
Carried to Collection			
Section No. 5 SECTION 5 - EXTERNAL WORKS (PROVISIONAL) Bill No. 3 Covered Walkways, Canopies, etc			
R			

THE FOLLOWING IN WELDED AND BOLTED CARPORTS

NOTE: The following items shall be deemed to fall into Work Group No 104 for JBCC CPAP purposes

EXCAVATION, FILLING, ETC

Excavation in earth or compacted filling not exceeding 2m deep

60	Column bases	m3	122
----	--------------	----	-----

Extra over all excavations for carting away

61	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	61
----	--	----	----

Risk of collapse of excavations

62	Sides of trench and hole excavations not exceeding 1,5m deep	m2	260
----	--	----	-----

Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density

63	Backfilling to trenches, holes, etc	m3	66
----	-------------------------------------	----	----

SOIL INSECTICIDE

Soil insecticide in accordance with SANS 5859

64	To bottoms and sides of trenches and holes (Certificate to be supplied before payment is made)	m2	404
----	--	----	-----

NOTE: The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes

UNREINFORCED CONCRETE

15MPa/19mm concrete

65	Blinding under column bases on excavated surfaces	m3	7
----	---	----	---

Carried to Collection

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 3

Covered Walkways, Canopies, etc

R

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES**30MPa/19mm concrete**

66	Column bases	m3	50
67	Stub columns in foundations	m3	4

NOTE: The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes

Rough formwork to sides

68	Stub columns in foundations	m2	33
----	-----------------------------	----	----

REINFORCEMENT

NOTE: The following items shall be deemed to fall into Work Group No 114 for JBCC CPAP purposes

Mild steel rod reinforcement to structural concrete work

69	8mm Diameter bars	t	2.265
----	-------------------	---	-------

High tensile steel rod reinforcement to structural concrete work in foundations

70	10mm Diameter bars	t	2.265
71	12mm Diameter bars	t	2.265
72	16mm Diameter bars	t	2.265
73	20mm Diameter bars	t	2.265

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 3
Covered Walkways, Canopies, etc

R

PROFILED METAL SHEETING AND ACCESSORIES

NOTE: The following items shall be deemed to fall into Work Group No 124 for JBCC CPAP purposes

Concealed Fix Zinc coating 0,58mm thick 700mm cover profile spelter top coat (Non-standard colour to Architect's approval) and backing coat (Non-standard colour to Architect's approval). Finish with approved zinc coat finishing to both sides on covered walkways or when exposed to bottom. Colours (Non standard) to Architect's approval. Galvanised steel roof sheeting, fixed to steel intermediate purlins at max 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.16 x 16mm long self-drilling wafer head screws, No. 3 drill point fasteners or fixed to timber intermediate purlins at 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.11 x 45mm long self-drilling wafer head screws, type 17 drill point fasteners, all in accordance with the manufacturer's specifications. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer. (H1)

74	Roof sheeting with pitch not exceeding 25 degrees, fixed to steel purlins	m2	920
----	---	----	-----

NOTE: The following items shall be deemed to fall into Work Group No 134 for JBCC CPAP purposes

STEEL TRUSSES, ETC.

Galvanised welded beams, purlins, rafters, etc.

75	IPE 200 x 22kg/m rafter	t	5.639
76	100 x 75 x 20 x 2.5mm Cold formed lipped	t	4.638

The following in galvanised welded bracing, sag rods, gusset plates, etc. bolted to steel structure, etc.

77	90 x 3mm Circular hollow section	t	3.360
----	----------------------------------	---	-------

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 3
Covered Walkways, Canopies, etc

R

The following in welded and bolted galvanised steel columns

78	305 x 102 x 33kg/m I-section column	t	4.369
79	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	1.70

Gutters

80	3 mm Thick galvanised steel rainwater gutter 500mm girth, welded to form slope at bottom, five times bent and fixed to purlins, including painting inside with epoxy tar, welding complete.	m	218
81	Extra over for stop end	No	16
82	Extra for 100 x 75mm outlet	No	16

Sundries

83	600 x 350 x 30mm Thick non-shrink grout between concrete and underside of base plate	No	35
----	--	----	----

NOTE: The following items shall be deemed to fall into Work Group No 152 for JBCC CPAP purposes

Apply Plascon Galvanised Iron Cleaner (GIC 1) to all bare galvanised areas. Allow to react for 1 minute and rinse off with tap water using bristle brush or Scotch Brite pads to remove all surface contaminants, until surface is water break-free. Prime with one coat of Galvanised Iron Primer (GIP 1) with an overcoating time of 24 hours and finish with two coats of Velvagio Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 3 years. Colours to Architect's approval.

84	Structural steel	m2	1 105
----	------------------	----	-------

WATER TANK FOOTINGS

NOTE: The following items shall be deemed to fall into Work Group No 104 for JBCC CPAP purposes

Excavation in earth or compacted filling not exceeding 2m deep

85	Reducing levels under tank plinth	m3	360
----	-----------------------------------	----	-----

Carried to Collection

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 3

Covered Walkways, Canopies, etc

R

<u>Extra over all excavations for carting away</u>					
86	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	360		
<u>Approved G7 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 95% Mod. AASHTO density</u>					
87	Under solid floors	m3	303		
<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes					
<u>25MPa/19mm concrete</u>					
88	Surface bed	m3	58		
89	Walls	m3	38		
<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes					
<u>Rough formwork to sides</u>					
90	Walls	m2	254		
<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 114 for JBCC CPAP purposes					
<u>Mild tensile steel rod reinforcement to structural concrete</u>					
91	8mm Diameter bars	t	3.07		
<u>High tensile steel rod reinforcement to structural concrete</u>					
92	10mm Diameter bars	t	1.91		
93	12mm Diameter bars	t	1.91		
94	16mm Diameter bars	t	1.91		
95	20mm Diameter bars	t	1.91		
Carried to Collection				R	
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 3					
Covered Walkways, Canopies, etc					

PUMP STATIONS

NOTE: The following items shall be deemed to fall into
Work Group No 104 for JBCC CPAP purposes

Excavation in earth or compacted filling not exceeding 2m deep

96	Reducing levels to final levels under floors, ramps, pavings, etc.	m3	24
----	--	----	----

97	Trenches	m3	37
----	----------	----	----

Extra over excavations in earth for excavation in

98	Soft rock	m3	4
----	-----------	----	---

99	Hard rock	m3	2
----	-----------	----	---

Extra over all excavations for carting away

100	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	19
-----	--	----	----

Risk of collapse of excavations

101	Sides of trench and hole excavations not exceeding 1,5m deep	m2	106
-----	--	----	-----

Soil insecticide in accordance with SANS 5859

102	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming (Certificate to be supplied before payment is made)	m2	160
-----	---	----	-----

103	To bottoms and sides of trenches and holes (Certificate to be supplied before payment is made)	m2	152
-----	--	----	-----

Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density

104	Under floors, steps, pavings, etc	m3	12
-----	-----------------------------------	----	----

105	Backfilling to trenches, holes, etc	m3	16
-----	-------------------------------------	----	----

Carried to Collection**R**

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 3

Covered Walkways, Canopies, etc

	<u>Compaction of surfaces</u>				
106	Compaction of ground surface under surface beds etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	160		
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes				
	<u>25MPa/19mm concrete</u>				
107	Strip footings	m3	11		
108	Apron in panels on waterproofing	m3	7		
109	Surface beds in panels on waterproofing	m3	11		
110	Plinths	m3	2		
111	Floor channels	m3	1		
	<u>30 MPa/19 mm concrete in</u>				
112	Slabs	m3	28		
	<u>Finishing top surface of concrete smooth with a wood float</u>				
113	Surface beds, slabs, etc	m2	160		
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes				
	<u>Rough formwork to soffits of:</u>				
114	Slabs	m2	138		
	<u>Rough formwork to sides</u>				
115	Walls in floor channels	m2	6		
116	Edges, risers, ends and reveals not exceeding 300mm high	m	162		
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 114 for JBCC CPAP purposes				
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 3				
	Covered Walkways, Canopies, etc				

	<u>Fabric reinforcement</u>		
117	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	298
	<u>Mild tensile steel rod reinforcement to structural concrete</u>		
118	8mm Diameter bars	t	0.10
	<u>High tensile steel rod reinforcement to structural concrete</u>		
119	10mm Diameter bars	t	0.10
120	12mm Diameter bars	t	0.10
121	16mm Diameter bars	t	0.10
122	20mm Diameter bars	t	0.10
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 120 for JBCC CPAP purposes		
	<hr/>		
	<u>One layer of 375 micron black embossed polyethylene damp-proof course, with 200mm overlap at end laps & corners.</u>		
123	In walls	m2	14
	<u>One layer of 250 micron green polyethylene waterproof sheeting sealed at laps with PVC self adhesive tape</u>		
124	Under surface beds	m2	82
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 116 for JBCC CPAP purposes		
	<hr/>		
	<u>Brickwork (14Mpa nominal compressive strength) in 3:1 cement mortar</u>		
125	One brick walls	m2	259
	<u>Brickwork reinforcement</u>		
126	150mm Wide reinforcement built in horizontally	m	450
	Carried to Collection		
	Section No. 5		
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)		
	Bill No. 3		
	Covered Walkways, Canopies, etc		

R

	<u>Prestressed concrete lintels</u>				
127	115mm Wide lintels in lengths not exceeding 3m	m	10		
	<p><u>NOTE:</u> The following items shall be deemed to fall into Work Group No 124 for JBCC CPAP purposes</p> <hr/> <p><u>Concealed Fix Zinc coating 0,58mm thick 700mm cover profile spelter top coat (Non-standard colour to Architect's approval) and backing coat (Non-standard colour to Architect's approval) galvanised steel roof sheeting, fixed to steel intermediate purlins at max 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.16 x 16mm long self-drilling wafer head screws, No. 3 drill point fasteners or fixed to timber intermediate purlins at 2500mm centres and eaves and ridge purlins at 2100mm centres using clips fixed with 10No.11 x 45mm long self-drilling wafer head screws, type 17 drill point fasteners, all in accordance with the manufacturer's specifications. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer. (H1)</u></p>				
128	Roof sheeting with pitch not exceeding 25 degrees, fixed to steel purlins	m2	138		
	<p><u>NOTE:</u> The following items shall be deemed to fall into Work Group No 129 for JBCC CPAP purposes</p> <hr/> <p><u>6mm Thick straight edge medium density plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, fixed to 38 x 50mm battens fixed to steel trusses at 600mm centres using 32 x 2,5mm serrated ceiling nails at 150mm centres, minimum of 12mm from edge of board. All joints to be covered using H-profile PVC jointing strips, all in accordance with the manufacturer's recommendations. (D3)</u></p>				
129	Ceilings	m2	80		
	<u>Gypsum plasterboard cornice</u>				
130	75mm Coved cornice fixed to wall and ceiling with approved adhesive	m	72		
Carried to Collection					R
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 3					
Covered Walkways, Canopies, etc					

NOTE: The following items shall be deemed to fall into Work Group No 136 for JBCC CPAP purposes

Transformer doors etc suitable for 220mm walls fixed to brickwork or concrete

131	Standard galvanised double transformer door as type DV, size 1830 x 2440mm high overall	No	1
132	Standard galvanised double transformer door as type DVA, size 1830 x 2440mm high overall	No	4

"Troxx" Anodised aluminium weather and vermin proof louvre panels or equal and approved.

133	1200 x 600mm High panel	No	2
-----	-------------------------	----	---

NOTE: The following items shall be deemed to fall into Work Group No 134 for JBCC CPAP purposes

The following in welded and bolted roof trusses

134	Angle sections in steel trusses	t	0.690
135	150 x 75 x 20 x 2mm Cold formed lipped channel in steel trusses	t	0.690

NOTE: The following items shall be deemed to fall into Work Group No 142 for JBCC CPAP purposes

1:3 Cement plaster screeds on concrete

136	Average 80mm Thick on concrete roofs with steel trowelled finish to falls and currents	m2	138
-----	--	----	-----

One coat 1:6 cement plaster to brickwork

137	On internal walls	m2	293
138	On external walls	m2	192

NOTE: The following items shall be deemed to fall into Work Group No 152 for JBCC CPAP purposes

Apply Skim to achieve a continuous film (C3)

139	On internal walls	m2	293
-----	-------------------	----	-----

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 3
Covered Walkways, Canopies, etc

	<u>Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval (C3)</u>				
140	On internal walls	m2	293		
	<u>Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications Colour to Architect's approval (H38)</u>				
141	On external walls	m2	192		
	<u>Prepare surfaces and remove all loose material. Prime with one coat of Professional Primer with an overcoating time of 16 hours and finish with one coat of Pure Acrylic paint. All to manufacturer's detail specifications. Colour to Architect's approval. (D3)</u>				
142	On fibre cement ceilings	m2	80		
	<u>Prepare surface and apply one coat Primer with an overcoating time of 1 hour finish with two coats pure acrylic paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architects approval.</u>				
143	On transformer doors	m2	27		
Carried to Collection					R
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 3					
Covered Walkways, Canopies, etc					

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 3

Covered Walkways, Canopies, etc

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

Carried Forward to Summary of Section No. 5

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 3

Covered Walkways, Canopies, etc

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>BILL NO 4</u>			
	<u>YARD WALLS, FENCING, ETC</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>THE FOLLOWING IN WALLS, ENTRANCE WALLS, ETC</u>			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 104 for JBCC CPAP purposes			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth or compacted filling not exceeding 2m deep</u>			
1	Trenches	m3	197	
2	Column bases	m3	116	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	33	
4	Hard rock	m3	17	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	171	
	Carried to Collection			
	Section No. 5			
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
	Bill No. 4			
	Yard Walls, Fencing, etc			

Risk of collapse of excavations

- | | | | |
|---|--|----|-----|
| 6 | Sides of trench and hole excavations not exceeding 1,5m deep | m2 | 550 |
|---|--|----|-----|

Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density

- | | | | |
|---|-------------------------------------|----|-----|
| 7 | Backfilling to trenches, holes, etc | m3 | 148 |
|---|-------------------------------------|----|-----|

Soil insecticide in accordance with SANS 5859

- | | | | |
|---|--|----|-----|
| 8 | To bottoms and sides of trenches and holes (Certificate to be supplied before payment is made) | m2 | 551 |
|---|--|----|-----|

CONCRETE

NOTE: The following items shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes

UNREINFORCED CONCRETE**15MPa/19mm mass concrete**

- | | | | |
|---|---|----|----|
| 9 | Surface blinding under footings and bases | m3 | 16 |
|---|---|----|----|

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES**25MPa/19mm mass concrete**

- | | | | |
|----|----------------|----|----|
| 10 | Strip footings | m3 | 77 |
|----|----------------|----|----|

30MPa/19mm concrete

- | | | | |
|----|--------------|----|----|
| 11 | Column bases | m3 | 52 |
|----|--------------|----|----|

- | | | | |
|----|------------------------|----|---|
| 12 | Columns in foundations | m3 | 2 |
|----|------------------------|----|---|

REINFORCED CONCRETE**30 MPa/19 mm concrete in**

- | | | | |
|----|---------------------------|----|---|
| 13 | Stairs including landings | m3 | 4 |
|----|---------------------------|----|---|

- | | | | |
|----|---------|----|----|
| 14 | Columns | m3 | 13 |
|----|---------|----|----|

Carried to Collection**R**

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 4
Yard Walls, Fencing, etc

15	Walls	m3	26
16	Beams and inverted beams	m3	8
17	Lintels	m3	53
<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 111 for JBCC CPAP purposes			
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
18	Walls exceeding 6.5m and not exceeding 8m high	m2	110
19	Inverted beams circular on plan exceeding 1 meter radius exceeding 3.5m and not exceeding 5m high	m2	23
20	Beams circular on plan exceeding 1 meter radius exceeding 3.5m and not exceeding 5m high	m2	56
21	Rectangular columns in foundations	m2	2
22	Rectangular columns exceeding 5m and not exceeding 6.5m high	m2	20
23	Tapering side of columns tapering from 1200 mm bottom to 1000mm top in foundations	m2	12
24	Tapering side of column tapering from 1000mm bottom to 300mm top, exceeding 5m and not exceeding 6.5m high	m2	77
25	Raking sides of tapering columns in foundations	m2	2
26	Raking side of tapering columns exceeding 5m and not exceeding 6.5m high	m2	20
27	Walls	m2	8
28	Edges, risers, ends and reveals not exceeding 300mm high	m	76
29	Sloping and stepped outer edges of stairs not exceeding 300mm high	m	41

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 4
Yard Walls, Fencing, etc

Rough formwork to soffits of:

30	Slabs not exceeding 250mm thick, propping not exceeding 3,5m high	m2	312
31	Slabs not exceeding 250mm thick, propping exceeding 3,5m and not exceeding 5m high	m2	6
32	Slabs with sloping soffits not exceeding 250mm thick, propping not exceeding 3,5m high	m2	7
33	Slabs with sloping soffits not exceeding 250mm thick, propping exceeding 3,5m and not exceeding 5m high	m2	1

Movement joints etc.

34	10mm Jointex in vertical joint between concrete and brickwork not exceeding 300mm wide or high	m	149
----	--	---	-----

NOTE: The following items shall be deemed to fall into Work Group No 114 for JBCC CPAP purposes

Mild steel reinforcement

35	8 mm Diameter bars	t	2.73
----	--------------------	---	------

High tensile steel rod reinforcement to structural concrete work

36	10mm Diameter bars	t	2.43
37	12mm Diameter bars	t	2.80
38	16mm Diameter bars	t	3.92
39	20mm Diameter bars	t	2.15

Fabric reinforcement

40	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	311
----	---	----	-----

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 4
Yard Walls, Fencing, etc

R

BRICKWORK

NOTE: The following items shall be deemed to fall into
Work Group No 116 for JBCC CPAP purposes

Brickwork of clay bricks in 6:1 cement mortar

41	One brick walls in foundations	m2	69
42	One brick walls	m2	329

Brickwork of clay bricks in 3:1 cement mortar in loadbearing walls, etc

43	One brick walls	m2	141
44	Ditto, but circular on plan in foundations	m2	40
45	One brick walls circular on plan	m2	761
46	One brick linings to concrete	m2	126
47	One brick wall (batter 10mm per course), circular on plan to not exceeding 2m radius in foundations	m2	40
48	One brick wall (batter 10mm per course), circular on plan to not exceeding 2m radius.	m2	744

Brick reinforcement

49	150mm Wide reinforcement built in horizontally	m	2 728
----	--	---	-------

Prestressed concrete lintels

50	115mm Wide lintels in lengths not exceeding 3m	m	979
----	--	---	-----

Galvanized hoop iron cramps, ties etc.

51	1.6 x 32 x 400mm long Galvanised hoop irons ties fixed to concrete and built into brickwork	No	190
----	---	----	-----

FACE BRICKWORK

Face brick, size 222 x 106 x 73mm, manufactured in accordance with 227:2007 (PC Amount of R7,500.00 per thousand bricks delivered to site, excluding VAT) pointed with recessed horizontal and vertical joints

52	Extra over brickwork for face brickwork, in foundations	m2	30
----	---	----	----

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 4
Yard Walls, Fencing, etc

R

53	Extra over brickwork for face brickwork	m2	432
54	Extra over brickwork for face brickwork, circular on plan to not exceeding 2m radius.	m2	761
55	Extra over brickwork with battered face for face brickwork (batter 10mm per course), circular on plan to not exceeding 2m radius in foundations	m2	40
56	Extra over brickwork with battered face for face brickwork (batter 10mm per course), circular on plan to not exceeding 2m radius.	m2	744
<u>Brick-on-edge header course copings, sills, etc of face bricks pointed with recessed joints on all exposed faces</u>			
57	Brick-on-edge header course coping on one brick wall, pointed on top and both faces	m	680
58	Brick on edge header course lintel 220mm wide pointed on face and 115mm soffit	m	621
59	Brick on edge header course window sill 1220mm wide, set weathered and slightly projecting, including pointing on top, front and projecting soffit including raking cutting of brickwork underneath.	m	311

NOTE: The following items shall be deemed to fall into Work Group No 134 for JBCC CPAP purposes

GALVANISED STEEL

The following in welded and bolted galvanised steel beams

60	I-section beams	t	0.225
61	Angle sections circular on plan	t	0.16
62	Angle sections, flat sections, etc. in brackets, base plates, connector plates, etc.	t	0.05

Chemical bolts

63	M20 Chemical anchor bolts	No	28
----	---------------------------	----	----

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 4
Yard Walls, Fencing, etc

R

Steel walkway

64	Vital Engineering Vitagrid pressure forged VE40Z modular walkway panel with 25 x 45mm serrated non-slip bearer bars in galvanised mild steel MS G including banding on all sides, loose laid in mild steel angle (elsewhere measured)	m2	15
----	---	----	----

NOTE: The following items shall be deemed to fall into Work Group No 142 for JBCC CPAP purposes

EXTERNAL PLASTER**One coat 1:6 cement plaster on brickwork (H38)**

65	On projecting and isolated beams circular on plan	m2	31
66	On exterior walls	m2	406
67	On narrow widths	m2	17

ON FLOATED PLASTER**One coat 1:4 cement plaster on concrete with steel trowel (D2, D85)**

68	On walls	m2	110
----	----------	----	-----

NOTE: The following items shall be deemed to fall into Work Group No 152 for JBCC CPAP purposes

NOTE: The following items shall be deemed to fall into Work Group No 152 for JBCC CPAP purposes

ON FLOATED PLASTER**Apply Skim to achieve a continuous film (C3)**

69	On internal walls	m2	110
----	-------------------	----	-----

Carried to Collection

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 4
Yard Walls, Fencing, etc

R

	<u>Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications. Colour to Architect's approval (C3)</u>				
70	On internal walls	m2	110		
	<u>Prepare surfaces and remove all loose material and rinse. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content, measured with a Doser Hygrometer of BD 2 scale - 8%. Prime with one coat of Plaster Primer with an overcoating time of 16 hours and finish with two coats of pure acrylic emulsion sheen paint with 2 hours drying time between coats. All to manufacturer's detail specifications Colour to Architect's approval (H38)</u>				
71	On external walls	m2	423		
72	On external beams	m2	31		
	<u>FENCING</u>				
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 136 for JBCC CPAP purposes				
	<u>CONCRETE PALISADE FENCING</u>				
	<u>"Hudson and Cray" or similar approved precast concrete fencing finished smooth on exposed surfaces</u>				
73	Allow for clearing site for the width of 1 000 mm where fencing runs are to be erected including removing trees, shrubs etc. not exceeding 200 mm girth, grubbing up roots and roughly levelling	m	85		
74	2.4m High palisade fencing with top and bottom rails, palings 2.5m long at 145mm centres and posts 3m long at 2m centres cast in and including 400 x 500 x 650mm concrete blocks in ground	m	85		
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 4				
	Yard Walls, Fencing, etc				

Standard high security pressed mesh panel fencing, formed of horizontal and vertical high tensile wires galvanized with Marine Fusion Bond coating with aperture, bolted with vandal resistant bolts and clamping plates to post/ frames, including Locking Recess Mechanism at maximum 3,382m centres with sealed end caps and 30 x 3mm x 250mm long angle section base anchors with posts bedded in 15MPa concrete bases size 400 x 400 x 600mm deep. All to detail drawings. (Shop drawings to be approved by Architect prior to manufacturing). Colour to Architects approval. (H229)

75	Allow for clearing site for the width of 1 000 mm where fencing runs are to be erected including removing trees, shrubs etc. not exceeding 200 mm girth, grubbing up roots and roughly levelling	m	1 264
76	Fencing 1000mm high	m	144
77	Fencing 1785mm high	m	68
78	Fencing 2100mm high	m	30
79	Fencing 2400mm high	m	903
80	Fencing 3000mm high	m	263
81	100mm High galvanized 'shark tooth' type spike rails bolted to 50mm wide Clearvu mesh flange bent along fence top and on 50mm wide galvanized flat bar bolted to roof sheeting all in accordance with manufacturer's specification.	m	650
82	Standard sliding gate, size 900mm wide x 2000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities (Block L: Type 7)	No	1
83	Standard sliding gate, size 1475mm wide x 2000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities (Block L: Type 6)	No	2

Carried to Collection

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 4

Yard Walls, Fencing, etc

R

84	Standard sliding gate, size 1775mm wide x 2000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities (Block L: Type 8)	No	1	
85	Standard sliding gate, size 3000mm wide x 2100mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities	No	1	
86	Standard sliding gate, size 3600mm wide x 3000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities	No	2	
87	Standard swing gate, size 1200mm wide x 2100mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities	No	1	
88	Standard swing gate, size 1200mm wide x 2310mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities (Block K: Type 3, Block M: Type 20)	No	3	
89	Standard swing gate, size 2000mm wide x 2400mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities	No	1	
90	Standard swing gate, size 1200mm wide x 3000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges <u>all in accordance with Drawing</u> annexed to the back of these Bills of Quantities	No	2	
Carried to Collection				R
Section No. 5				
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
Bill No. 4				
Yard Walls, Fencing, etc				

91	Standard swing gate, size 1500mm wide x 3000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges all in accordance with Drawing annexed to the back of these Bills of Quantities (Block K Type 4)	No	2		
92	Standard swing gate, size 1800mm wide x 3000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges all in accordance with Drawing annexed to the back of these Bills of Quantities (Block M: Type 8)	No	6		
93	Standard swing gate, size 3000mm wide x 3000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges all in accordance with Drawing annexed to the back of these Bills of Quantities (Block K: Type 4)	No	2		
94	Standard swing gate, size 5850mm wide x 3000mm high, formed of 50 x 38 x 2mm gate frame, with two 75 x 75 x 3mm gate posts each set in 25Mpa concrete bases size 400 x 400 x 600mm high, complete with gate lock and hinges all in accordance with Drawing annexed to the back of these Bills of Quantities (Block M: Type 8)	No	1		
<u>TURNSTILES</u>					
95	Turnstar Triumph 4-arm single full height turnstile free rotating revolving turnstile, overall size 1400 x 2125mm high in UV resistant polyester exterior powder coated mild steel finish colour Black with 50mm diameter tube arms and Rotalok® rotation locking mechanism and Rotarun® perpetual base bearing, bolted to 20MPa concrete slab with 7No. M12 x 75mm countersunk anchor bolts. (See Drawing N042-002 attached to the back of these bills of quantities)	No	1		
96	Turnstar Triumph 4-arm single full height turnstile free rotating revolving turnstile, overall size 1400 x 2125mm high in UV resistant polyester exterior powder coated mild steel finish colour Black with 50mm diameter tube arms and Rotalok® rotation locking mechanism and Rotarun® perpetual base bearing, bolted to 20MPa concrete slab with 7No. M12 x 75mm countersunk anchor bolts. (See Drawing N042-003 attached to the back of these bills of quantities)	No	1		
Carried to Collection					R
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 4					
Yard Walls, Fencing, etc					

<u>Sundries</u>					
97	Precast concrete rectangular kerb (Standard Industrial) size 50 x 228mm high (complying with SABS 927) in 600mm lengths, wet pressed, placed in position, bedded and jointed in (3:1) cement mortar and flush pointed on exposed faces, including 15MPa/19mm unreinforced concrete haunching at back of each joint, excavation, backfilling, ramming, etc. (H182)	m	434		
98	50mm Thick 1mm dolomite aggregate filling supplied and carted by the contractor (H32)	m2	195		
99	25Mpa Reinforced concrete 440 wide x 250mm high for steel gliding track including all excavations, formwork, etc	m	31		
100	Centurion Systems light industrial D10 Turbo™ 24V DC sliding gate operator, capable of handling a gate mass of 240kg - 1000kg at opening speed of 40 metres per minute with 2A 24V SM charger 2 x 7Ah battery and 2 x sets safety beams with 2 metre passive sensitive edge with anti lift cage and with P36 passive edge, complete with steel rack, including foundation plate. System to include Photon wireless infrared vehicle detection beams, installed in accordance with manufacturer's recommendations	No	4		
Carried to Collection					
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 4					
Yard Walls, Fencing, etc					

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 4

Yard Walls, Fencing, etc

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

557
558
559
560
561
562
563
564
565
566
567
568

Carried Forward to Summary of Section No. 5

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 4

Yard Walls, Fencing, etc

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>BILL NO 5</u>			
	<u>LANDSCAPING</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>NOTE:</u> <i>The following items shall be deemed to fall into Work Group No 154 for JBCC CPAP purposes</i>			
	<u>LANDSCAPING</u>			
	<u>EARTHWORKS</u>			
	<u>Soil fertility test</u>			
1	Soil fertility test (in-situ soil & imported topsoil): Bray 1 "P"; Amm Acetate: "C, Ca" & "Mg", Resistance (ohm); Water "pH" and Clay fraction in %. Three samples (One of which shall be a control sample) of 0,005m3 shall be delivered to be tested at an approved soil fertility laboratory (Agricultural Research Council Institute for Soil, Climate and Water or approved similar) for the following criteria Bray 1 "P"; Amm Acetate: "C", "Ca" & "Mg"; Resistance (ohm); Water "pH" and Clay fraction in %. The test results must be accompanied with a letter from the test laboratory that the attached sample is identical to the tested sample and that the topsoil is deemed to be fertile for horticultural purposes. The sample, test results, name and address of supplier and soil laboratory letter shall be accepted by the Landscape Architects in writing prior to the delivery of any quantities of topsoil on site. The rate for soil fertility testing shall include all costs of sampling, delivery, testing and collection.	No	5	
	Carried to Collection			
	Section No. 5			
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
	Bill No. 5			
	Landscaping			

<u>Open face excavation in earth over sloping site</u>					
2	Excavate in all material to fill over site to make up levels for landscaping	m3	2 310		
<u>Open face excavation in earth or compacted layer works</u>					
3	Reducing levels to final levels and prepare to receive top soil	m3	945		
<u>Excavation in earth or compacted filling not exceeding 2m deep</u>					
4	Holes for water tank	m3	180		
<u>Extra over all excavations for carting away</u>					
5	Extra over all excavations for carting surplus excavated material	m3	945		
<u>Earth filling obtained from the excavations and / or prescribed stock piles on site including haulage not exceeding 500m from perimeter of excavations or stock piles graded to levels indicated on drawings in layers not exceeding 150mm</u>					
6	Over site to make up levels	m3	235		
<u>Selected topsoil obtained from excavations and / or prescribed stock piles on site, including haulage not exceeding 500m from perimeter of excavations or stock piles including spreading and levelling</u>					
7	In plant beds, grassed areas etc	m3	2 738		
<u>Well sifted approved topsoil supplied and carted on by the contractor, including spreading and levelling</u>					
8	In plant beds, grassed areas etc	m3	195		
<u>CLAY BRICK PAVING</u>					
<u>Excavate in earth or compacted filling not exceeding 2m deep below natural or reduced ground level</u>					
9	Reduced levels under paving etc	m3	265		
<u>Extra over all excavations for carting away</u>					
10	Extra over all excavations for carting surplus excavated material	m3	124		
Carried to Collection				R	
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 5					
Landscaping					

<u>Compaction of surfaces</u>					
11	Scarify earth surface to a depth of 150mm, breaking down over size material and reconsolidate to 90% modified AASHTO density	m2	938		
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Modified AASHTO density</u>					
12	Under paving	m3	141		
<u>C4 gravel layers supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm</u>					
13	Subbase under paving	m3	141		
<u>G7 gravel layers supplied by the contractor compacted to 93% Mod AASHTO density in layers not exceeding 150mm</u>					
14	Subbase under paving	m3	141		
<u>25mm River sand</u>					
15	Under pavers	m2	938		
<u>Soil insecticide in accordance with SANS 5859</u>					
16	Under paving etc including forming and poisoning shallow furrows, etc.	m2	928		
<u>Pavers</u>					
17	Corobrik Burgundy Paver PA clay paving bricks, size 220 x 110 x 60mm thick laid in Herringbone Bond pattern with a minimum longitudinal fall of 1% on a transverse fall of at least 2% on 25mm compacted sand bed (measured elsewhere) with fine jointing sand swept and vibrated into joints, all laid on subgrade conforming to SANS 1200 D Degree Of Accuracy I. Paving to be inspected and re-sanded after three months.	m2	928		
18	Circular cutting	m	227		
19	220mm Edging as header course on and including 220 x 150mm thick 15Mpa unreinforced concrete bedding including excavation, formwork, etc	m	2 555		
Carried to Collection					
Section No. 5				R	
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 5					
Landscaping					

20	220mm Edging as header course on and including 220 x 150mm thick 15Mpa unreinforced concrete bedding including excavation, formwork, etc circular on plan	m	227
21	220mm Brick mow edge on and including 220 x 150mm thick 15Mpa unreinforced concrete bedding including excavation, formwork, etc	m	318
22	220mm Brick mow edge on and including 220 x 150mm thick 15Mpa unreinforced concrete bedding including excavation, formwork, etc circular on plan	m	208
23	Garden steps size 450 x 450 x 65mm thick, bedded on 25mm river sand (measured elsewhere).	m2	11

Precast concrete kerbs:

24	Modcon Concrete Solutions precast concrete kerbing (Type: Type 018), overall size 1000 x 230mm high, wet pressed, placed in position, bedded and jointed in (3:1) cement mortar and flush pointed on exposed faces, including 15MPa/19mm unreinforced concrete haunching at back of each joint, excavation, backfilling, ramming, etc.	m	130
25	Ditto. but circular on plan not exceeding 4m radius	m	24

**IN-SITU CONCRETE PAVING,
APRONS, STEPS, ETC****Excavate in earth or compacted filling not exceeding
2m deep below natural or reduced ground level**

26	Reduced levels under pavings, aprons etc	m3	1 487
----	--	----	-------

Extra over all excavations for carting away

27	Extra over all excavations for carting surplus excavated material and spreading, levelling and lightly compacting on site where directed average 500m from the excavations (Measured nett- no allowance made for bulking)	m3	657
----	---	----	-----

Compaction of surfaces

28	Scarify earth surface to a depth of 150mm, breaking down over size material and reconsolidate to 93% modified AASHTO density	m2	6 696
----	--	----	-------

Carried to Collection**R**

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 5
Landscaping

	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Modified AASHTO density</u>		
29	Under apron	m3	264
30	Under concrete paving	m3	566
	<u>G7 gravel layers supplied by the contractor compacted to 95% Mod AASHTO density in layers not exceeding 150mm</u>		
31	Subbase under apron	m3	862
32	Subbase under concrete paving	m3	1 386
	<u>Stone filling of 19mm broken stone</u>		
33	Stone fill in courtyards	m3	16
	<u>Mass concrete (25Mpa) cast in panels in:</u>		
34	Aprons	m3	264
35	Concrete paving	m3	143
	<u>Mass concrete (20Mpa) with 13mm "Yellow & black" stone from Lafarge (sample to be approved) cast in panels in:</u>		
36	Concrete paving	m3	187
	<u>Mass concrete (20Mpa) with 13-19mm ornamental aggregate (10% black stone in Ferro mix from Afrisam) cast in panels in:</u>		
37	Concrete paving	m3	161
	<u>Sandblasting of concrete surfaces to expose aggregate</u>		
38	Sandblast concrete paving	m2	2 672
	<u>Finishing top surfaces of concrete to an evenly brushed non-slip surface</u>		
39	Aprons, paving, ramps	m2	4 855
	<u>Finishing top surfaces of concrete to a ribbed finish tamped with a straight edge</u>		
40	Paving, ramps, steps, etc.	m2	2 979
Carried to Collection			
Section No. 5			
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
Bill No. 5			
Landscaping			

R

General Formwork

41	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	1 849
----	--	---	-------

Movement joints

42	3 x 40mm Saw cut joints in top of concrete surface bed	m	1 520
43	10mm Sajex or other approved cane fibre filler board in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 150mm wide including tacking to face of wall and polysulphide sealant between concrete and brickwork	m	1 520

Fabric reinforcement

44	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	3 849
45	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	2 846

One layer of 250 micron green polyethylene waterproof sheeting sealed at laps with PVC self adhesive tape

46	Under aprons, paving, steps, ramps	m2	2 925
----	------------------------------------	----	-------

SPECIALIST FLOOR COVERINGS**Excavate in earth or compacted filling not exceeding 2m deep below natural or reduced ground level**

47	Reduced levels under pavings, aprons etc	m3	81
----	--	----	----

Extra over all excavations for carting away

48	Extra over all excavations for carting surplus excavated material and spreading, levelling and lightly compacting on site where directed average 500m from the excavations (Measured nett- no allowance made for bulking)	m3	54
----	---	----	----

Compaction of surfaces

49	Scarify earth surface to a depth of 150mm, breaking down over size material and reconsolidate to 93% modified AASHTO density	m2	538
----	--	----	-----

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 5
Landscaping

	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Modified AASHTO density</u>				
50	Under concrete surfacebed	m3	24		
51	Under artificial grass	m3	57		
	<u>30mm River sand</u>				
52	Under artificial grass	m2	377		
	<u>Mass concrete (25Mpa) in:</u>				
53	Concrete surfacebed	m3	16		
	<u>Finishing top surfaces of concrete to an evenly brushed non-slip surface</u>				
54	Aprons, paving, ramps, etc.	m2	161		
	<u>Fabric reinforcement</u>				
55	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	161		
	<u>Rubber play surface</u>				
56	Specialist Play area surface finish: Safety matting called MasterPlay which consists of a composite of a 10mm wearing layer (by MasterFibre® or approved similar). With top coat and hardwearing sealer in colours Red, Blue and Orange	m2	161		
	<u>Artificial turf</u>				
57	Artificial turf to be supplied and layed on top of 30mm sand bedding (measured elsewhere), with at least 5/8" tufted filaments 50% sand & 50% rubber filled synthetic grass carpet, laid in straight stitch pattern with pile content of 100% polyethylene monofilament U.V - resistant, 13.800/8 dTex,	m2	377		
	<u>SUNDRIES</u>				
58	Supply and install custom galvanized steel Drinking fountain (PC Amount of R 7,500.00 delivered to site, excluding VAT) to detail with Chrome spring-loaded drinking tap Sample to be provided for approval by Landscape Architect before manufacture.	No	3		
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 5				
	Landscaping				

59	Supply and install ROUND hot dipped galvanized perforated steel bins (PC Amount of R 3,850.00 delivered to site, excluding VAT), 1000mm high, 450mm diameter as per detail, set in 300mm x 300mm deep 20Mpa concrete. Rate to include manufacture, transportation, delivery and installation. Sample to be provided for approval by Landscape Architect before manufacture.	No	55		
60	Supply and install ROUND 2,000mm diameter hot dipped galvanized tree grid frame (75x75x5mm Angle iron) to existing trees as edging for relaying of new paving or existing slate slabs (PC Amount of R 250.00 delivered to site, excluding VAT). Sample to be provided for approval by Landscape Architect before manufacture.	No	30		
61	Supply & install of ROUND 1,950x25mm Galvanised Mentis Grid tree grate (PC Amount of R 3,850.00 delivered to site, excluding VAT) (to fit frame above) manufactured in 2 halves and bolted and tack-welded together. Sample to be provided for approval by Landscape Architect before manufacture.	No	30		
62	Supply and install Galvanized steel cycle rack to detail (PC Amount of R 1,800.00 delivered to site, excluding VAT). Sample to be provided for approval by Landscape Architect before manufacture.	No	5		
63	Supply and install 1,500x450mm concrete "Turin" bench by Wilson Stone (PC Amount of R 3,500.00 delivered to site, excluding VAT), or approved similar, secured into the paving as per detail.	No	85		
64	Custom concrete bench built into plater/retaining wall of 150mm reinforced in situ cast slab with chamfered edges & steel trawl finish - 1,500mmx600x150mm - to detail (PC Amount of R 2,000.00 delivered to site, excluding VAT). Sample to be provided for approval by Landscape Architect before manufacture	No	30		
65	Supply and install Galvanized railing, 1000mm high with uprights 1000mm on centre with 10mm steel cable railings at 100mm on centre. With a stainless steel 40mm diameter hand railing on top. (PC Amount of R2000 per meter installed complete)	m	55		
Carried to Collection				R	
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 5					
Landscaping					

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 5

Landscaping

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

570

571

572

573

574

575

576

577

Carried Forward to Summary of Section No. 5

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 5

Landscaping

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>BILL NO 6</u>			
	<u>STORMWATER DRAINAGE</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE :All Civil works to be carried out in accordance with the standardised SABS 1200 specifications			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 146 for JBCC CPAP purposes			
	<u>EARTHWORKS</u>			
	<u>Excavations in earth</u>			
1	For pipes not exceeding 1m deep	m3	116	
2	For pipes exceeding 1m and not exceeding 2m deep	m3	1 643	
3	For pipes exceeding 2m and not exceeding 3m deep	m3	3 674	
4	For pipes exceeding 3m and not exceeding 4m deep	m3	2 537	
5	For pipes exceeding 4m and not exceeding 5m deep	m3	173	
6	For pipes exceeding 5m and not exceeding 6m deep	m3	52	
	Carried to Collection			
	Section No. 5			
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
	Bill No. 6			
	Stormwater Drainage			

Extra over excavations for carting away

7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	3 781
---	--	----	-------

Extra over excavations in earth for excavation in

8	Extra over for excavation in intermediate rock	m3	819
9	Extra over for excavation in hard rock	m3	410

BEDDING, BACKFILLING, ETC**Filling from excavations including sifting and compaction to 93% MOD AASHTO density for backfilling to**

10	Pipe trenches	m3	1 956
----	---------------	----	-------

Provide bedding (Blanket) from trench excavations in layers not exceeding 150mm thick, compacted to 93% MOD AASHTO density

11	Selected granular material	m3	1 065
12	Selected fill material	m3	1 393

Carted on material from commercial sources including sifting and compaction to 93% MOD AASHTO density for backfilling to

13	Selected granular material	m3	819
14	Selected fill material	m3	2 049

PIPEWORK**Supply and lay Class 75D spigot and socket joint reinforced concrete pipes (excavation, backfilling, compaction, etc. elsewhere)**

15	450mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	29
16	450mm Diameter pipe exceeding 2m and not exceeding 3m deep	m	27

Carried to Collection**R**

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 6
Stormwater Drainage

<u>Supply and lay Class 100D spigot and socket joint reinforced concrete pipes (excavation, backfilling, compaction, etc. elsewhere)</u>							
17	300mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	57				
18	375mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	38				
19	450mm Diameter pipe not exceeding 1m deep	m	78				
20	450mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	242				
21	450mm Diameter pipe exceeding 2m and not exceeding 3m deep	m	500				
22	450mm Diameter pipe exceeding 3m and not exceeding 4m deep	m	203				
23	450mm Diameter pipe exceeding 5m and not exceeding 6m deep	m	8				
24	600mm Diameter pipe not exceeding 1m deep	m	45				
25	600mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	55				
26	600mm Diameter pipe exceeding 2m and not exceeding 3m deep	m	44				
27	675mm Diameter pipe exceeding 3m and not exceeding 4m deep	m	63				
28	825mm Diameter pipe exceeding 3m and not exceeding 4m deep	m	85				
29	825mm Diameter pipe exceeding 4m and not exceeding 5m deep	m	25				
30	1050mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	164				
31	1200mm Diameter pipe exceeding 2m and not exceeding 3m deep	m	296				
Carried to Collection						R	
Section No. 5							
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)							
Bill No. 6							
Stormwater Drainage							

	<u>Supply and lay Class 100D interlocking joint reinforced concrete pipes (excavation, backfilling, compaction, etc. elsewhere)</u>				
32	450mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	132		
33	450mm Diameter pipe exceeding 2m and not exceeding 3m deep	m	75		
34	450mm Diameter pipe exceeding 3m and not exceeding 4m deep	m	111		
35	750mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	29		
36	750mm Diameter pipe exceeding 2m and not exceeding 3m deep	m	53		
37	750mm Diameter pipe exceeding 3m and not exceeding 4m deep	m	102		
	<u>MANHOLES, KERB INLETS, CHAMBERS, ETC</u>				
	<u>Excavate for and construct sumps, catchpits, inspection chambers, etc including concrete kerbs or precast concrete cover slabs (gratings and covers elsewhere)</u>				
	<u>Precast concrete manholes, 1000mm internal diameter, complete including all necessary excavations, precast manholes rings, in situ concrete bottom slabs (size 1430mm diameter) laid to falls (min thickness of slab 150mm and maximum thickness 350mm) with 20mm thick concrete topping, 150mm thick medium duty precast roof slab, channels, finishes, step irons at 300mm centres, cast iron double seal manhole cover and frame (cover and frame elsewhere measured), etc. all joints sealed with 1:3 cement sand mix caulked in ring joints</u>				
38	Manhole exceeding 1m and not exceeding 2m deep	No	6		
39	Manhole exceeding 2m and not exceeding 3m deep	No	5		
40	Manhole exceeding 3m and not exceeding 4m deep	No	1		
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 6				
	Stormwater Drainage				

	<u>Junction box 1040 x 1340mm on 150mm 20MPa concrete base, one brick walls, 100mm pre-cast concrete cover slab to accommodate manhole cover (measured elsewhere). The bottom benched up in fine 20MPa concrete including forming channel, all rendered smooth in 1:1 cement plaster. (See Drawing 20.00GZA04.D001 attached to the back of these bills of quantities)</u>				
41	Junction Box exceeding 1m and not exceeding 2m deep	No	2		
42	Junction Box exceeding 2m and not exceeding 3m deep	No	8		
43	Junction Box exceeding 3m and not exceeding 4m deep	No	3		
	<u>Grid inlet 1445 x 1081mm on 150mm 25MPa concrete base, one brick walls, 150mm 25MPa reinforced concrete cover slab finished on exposed surfaces in untinted cement paving with angles rounded, with rebated opening for 520 x 790mm mentis grating and frame (elsewhere measured). The bottom benched up in fine 25MPa concrete including forming channel, all rendered smooth in 1:1 cement plaster. (See Drawing 20.00GZA04.D004, attached to the back of these bills of quantities)</u>				
44	Grid inlet exceeding 1m and not exceeding 2m deep	No	37		
45	Grid inlet exceeding 2m and not exceeding 3m deep	No	13		
46	Grid inlet exceeding 3m and not exceeding 4m deep	No	3		
47	Grid inlet exceeding 4m and not exceeding 5m deep	No	1		
48	Grid inlet exceeding 5m and not exceeding 6m deep	No	1		
	<u>Grid inlet 9185 x 1081mm on 150mm 25MPa concrete base, one brick walls, 150mm 25MPa reinforced concrete cover slab finished on exposed surfaces in untinted cement paving with angles rounded, with rebated opening for 520 x 8530mm mentis grating and frame (elsewhere measured). The bottom benched up in fine 25MPa concrete including forming channel, all rendered smooth in 1:1 cement plaster. (See Drawing 20.00GZA04.D004, attached to the back of these bills of quantities)</u>				
49	Grid inlet exceeding 3m and not exceeding 4m deep	No	1		
Carried to Collection					R
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 6					
Stormwater Drainage					

	<u>Grid inlet 19265 x 1081mm on 150mm 25MPa concrete base, one brick walls, 150mm 25MPa reinforced concrete cover slab finished on exposed surfaces in untinted cement paving with angles rounded, with rebated opening for 520 x 18610mm mentis grating and frame (elsewhere measured). The bottom benched up in fine 25MPa concrete including forming channel, all rendered smooth in 1:1 cement plaster. (See Drawing 20.00GZA04.D004, attached to the back of these bills of quantities)</u>				
50	Grid inlet exceeding 1m and not exceeding 2m deep	No	1		
	<u>Kerb inlet 3000 x 630mm on 150mm 25MPa concrete base, one brick walls, 150mm 25MPa reinforced concrete cover slab finished on exposed surfaces in untinted cement paving with 80 x 80 x 6mm 3375mm long angle and 100 x 50 x 5mm 3375mm long angle with six 50 x 3 circular hollow section 330mm high and six 60 x 3 circular hollow section 210mm high welded to angles. 150mm 25MPa concrete sloping inlet 450mm wide with 190mm downstand beam. (See Drawing 20.00GZA04.D006, 20.00GZA04.D007, attached to the back of these bills of quantities)</u>				
51	Kerb inlet exceeding 1m and not exceeding 2m deep	No	2		
52	Kerb inlet exceeding 2m and not exceeding 3m deep	No	3		
53	Kerb inlet exceeding 3m and not exceeding 4m deep	No	2		
	<u>Gratings, covers, etc</u>				
54	SABS Type 4 medium duty cast iron double seal manhole cover and frame, with frame bedded in 3:1 cement mortar and cover sealed in tallow (See Drawing 20.00GZA04.D008, attached to the back of these bills of quantities)	No	25		
55	520 x 790mm Mentis RS40 recta grid hot dipped galvanised including 50 x 50 x 5mm angle frame fixed in concrete wit 20 x 5mm lugs at 300mm centre to centres. (See Drawing 20.00GZA04.D004, attached to the back of these bills of quantities)	No	55		
56	520 x 8530mm Mentis RS40 recta grid hot dipped galvanised including 50 x 50 x 5mm angle frame fixed in concrete wit 20 x 5mm lugs at 300mm centre to centres. (See Drawing 20.00GZA04.D004, attached to the back of these bills of quantities)	No	1		
Carried to Collection					R
Section No. 5					
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)					
Bill No. 6					
Stormwater Drainage					

57	520 x 18610mm Mentis RS40 recta grid hot dipped galvanised including 50 x 50 x 5mm angle frame fixed in concrete wit 20 x 5mm lugs at 300mm centre to centres. (See Drawing 20.00GZA04.D004, attached to the back of these bills of quantities)	No	1		
	<u>MANHOLE AND JUNCTION BOX STRUCTURE</u>				
	<u>Excavation in earth or compacted filling not exceeding 2m deep</u>				
58	For manholes, etc	m3	809		
	<u>Extra over all excavations for carting away</u>				
59	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	322		
	<u>Risk of collapse of excavations</u>				
60	Sides of trench and hole excavations exceeding 1,5m deep and not exceeding 3m deep	m2	924		
	<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density</u>				
61	Backfilling to trenches, holes, etc	m3	487		
	<u>25 MPa/19 mm concrete in</u>				
62	Surface beds in panels on waterproofing	m3	70		
63	Slabs	m3	70		
	<u>Finishing top surface of concrete smooth with a wood float</u>				
64	Surface beds, slabs, etc	m2	613		
	<u>Rough formwork to sides</u>				
65	Edges, risers, ends and reveals not exceeding 300mm high	m	350		
66	Leave and form opening 560mm diameter in slab not exceeding 300mm high	No	25		
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 6				
	Stormwater Drainage				

	<u>Rough formwork to soffits of:</u>		
67	Slabs not exceeding 250mm thick, propping not exceeding 3,5m high	m2	306
	<u>High tensile steel rod reinforcement to structural concrete</u>		
68	12mm Diameter bars	t	1.28
69	16mm Diameter bars	t	1.28
	<u>Fabric reinforcement</u>		
70	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	306
	<u>Brickwork of clay bricks in 3:1 cement mortar</u>		
71	One brick walls	m2	368
	<u>Brick reinforcement</u>		
72	150mm Wide reinforcement built in horizontally	m	1 114
	<u>TESTS, ETC.</u>		
73	Provide all necessary apparatus, etc for and test the whole of the Stormwater Drainage system to the satisfaction of the Representative/Agent, rectify all defective work free of charge and leave in perfect order		Item
	<u>STORMWATER V-SHAPED CHANNEL</u>		
	<u>Mass concrete 25 MPa (20mm stone) stormwater channels, laid to even falls, in sections not exceeding 1m, finished smooth to all visible faces, with slightly rounded external angles including all necessary shallow excavations, formwork, filling and ramming</u>		
74	Open V-shaped stormwater channel, 1000mm wide x, 200mm thick, with top surface worked down to form 1000 x 100mm deep channel in equal legs	m	217
75	Extra for angles, intersections, ends, dressing into sides of catchpits, etc	No	4
Carried to Collection			
Section No. 5			
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
Bill No. 6			
Stormwater Drainage			

R

	<u>Fabric reinforcement</u>				
76	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	217		
	<u>SUBSOIL DRAINAGE</u>				
	<u>Excavations in earth</u>				
77	For pipes not exceeding 1m deep	m3	566		
78	For pipes exceeding 1m and not exceeding 2m deep	m3	172		
79	For pipes not exceeding 1m deep in narrow trenches not exceeding 200mm wide	m3	942		
	<u>Extra over excavations in earth for excavation in</u>				
80	Soft rock	m3	50		
81	Hard rock	m3	25		
	<u>Extra over all excavations for carting away</u>				
82	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1 195		
	<u>Risk of collapse of excavations</u>				
83	Sides of trench and hole excavations not exceeding 1,5m deep	m2	5 015		
84	Sides of trench and hole excavations exceeding 1,5m deep	m2	453		
	<u>Approved G7 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 93% Mod. AASHTO density</u>				
85	Restricted filling to two layers above subsoil grid	m3	8 500		
86	Backfilling to trenches, bases, etc.	m3	738		
	<u>Approved free draining compactable material such as well graded clean washed sand or gravel supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 95% Mod. AASHTO density</u>				
87	Backfilling to narrow trenches not exceeding 200mm wide	m3	877		
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 6				
	Stormwater Drainage				

GEOTEXTILE

88	Kaytech Rockgrid PC 50/50 high tensile strength composite Geotextil, nonwoven strengthened with high tensile multifilament yarns	m2	49 651
----	--	----	--------

Kaytech Flo-Drain

89	160mm Kaypipe Geopipe	m	209
----	-----------------------	---	-----

90	1000mm High Flo-Drain including a continuous filament needlepunched nonwoven polyester geotextile filter blanket	m	209
----	--	---	-----

91	2000mm High Flo-Drain including a continuous filament needlepunched nonwoven polyester geotextile filter blanket including all fixing	m	209
----	---	---	-----

Kaytech Megaflo Geocomposite Panel Drain System, all in accordance with manufacturer's recommendations.

92	Megaflo 170 complete with bidim laid in trenches (measured elsewhere)	m	5 533
----	---	---	-------

93	Megaflo 300 complete with bidim laid in trenches (measured elsewhere)	m	2 160
----	---	---	-------

Extra over for Megaflo fittings

94	Purpose made 300 x 300 x 170mm junction	No	414
----	---	----	-----

95	Purpose made 300mm bend	No	38
----	-------------------------	----	----

Class 34 / uPVC drain pipes for use under ground in accordance with SABS 791 with uPVC couplings

96	160mm pipe	m	98
----	------------	---	----

Carried to Collection**R**

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 6

Stormwater Drainage

	<u>Precast concrete manholes, 1000mm internal diameter, complete including all necessary excavations, backfilling, precast manholes rings, in situ concrete bottom slabs (size 1430mm diameter) laid to falls (min thickness of slab 150mm and maximum thickness 350mm) with 20mm thick concrete topping, 150mm thick medium duty precast roof slab, channels, finishes, step irons at 300mm centres, cast iron double seal manhole cover and frame (cover and frame elsewhere measured), etc. all joints sealed with 1:3 cement sand mix caulked in ring joints</u>				
97	Manhole exceeding 2m and not exceeding 3m deep	No	2		
	<u>Manhole covers, etc.</u>				
98	SABS Type 4 medium duty cast iron double seal manhole cover and frame, with frame bedded in 3:1 cement mortar and cover sealed in tallow (See Drawing 20.00GZA04.D008, attached to the back of these bills of quantities)	No	2		
	<u>THE FOLLOWING IN BRICK INLET AND OUTLET STRUCTURES</u>				
	<u>Excavation in earth not exceeding 2m deep, for:</u>				
99	Excavate to reduce levels	m3	17		
	<u>Extra over all excavations for carting away</u>				
100	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	4		
	<u>Risk of collapse of excavations</u>				
101	Sides of trench and hole excavations not exceeding 1,5m deep	m2	56		
	<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density</u>				
102	Backfilling to trenches, holes, etc	m3	7		
	<u>25 MPa/ 19mm Concrete in</u>				
103	Ground beams and surface beds	m3	12		
	Carried to Collection			R	
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 6				
	Stormwater Drainage				

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 6

Stormwater Drainage

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

579

580

581

582

583

584

585

586

587

588

589

590

Carried Forward to Summary of Section No. 5

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 6

Stormwater Drainage

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>BILL NO 7</u>			
	<u>SOIL DRAINAGE</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE :All Civil works to be carried out in accordance with the standardised SABS 1200 specifications			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 146 for JBCC CPAP purposes			
	<u>EARTHWORKS</u>			
	<u>Excavations in earth</u>			
1	For pipes not exceeding 1m deep	m3	806	
2	For pipes exceeding 1m and not exceeding 2m deep	m3	1 330	
3	For pipes exceeding 2m and not exceeding 3m deep	m3	1 428	
4	For pipes exceeding 3m and not exceeding 4m deep	m3	929	
5	For pipes exceeding 4m and not exceeding 5m deep	m3	777	
	<u>Extra over excavations for carting away</u>			
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1 902	
	Carried to Collection			R
	Section No. 5			
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
	Bill No. 7			
	Soil Drainage			

BEDDING, BACKFILLING, ETC

Filling from excavations including sifting and compaction to 93% MOD AASHTO density for backfilling to

7	Pipe trenches	m3	1 787
---	---------------	----	-------

Provide bedding (Blanket) from trench excavations in layers not exceeding 150mm thick, compacted to 93% MOD AASHTO density

8	Selected granular material	m3	685
---	----------------------------	----	-----

9	Selected fill material	m3	896
---	------------------------	----	-----

Carted on material from commercial sources including sifting and compaction to 93% MOD AASHTO density for backfilling to

10	Selected granular material	m3	527
----	----------------------------	----	-----

11	Selected fill material	m3	1 318
----	------------------------	----	-------

PIPEWORK

uPVC pipes Heavy duty Class 34 for use under ground in accordance with SABS 791 with uPVC couplings (Excavation, bedding material, back filling, compaction, etc. elsewhere)

12	110mm Diameter pipe not exceeding 1m deep	m	336
----	---	---	-----

13	110mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	205
----	--	---	-----

14	110mm Diameter pipe exceeding 2m and not exceeding 3m deep	m	123
----	--	---	-----

15	160mm Diameter pipe not exceeding 1m deep	m	65
----	---	---	----

16	160mm Diameter pipe exceeding 1m and not exceeding 2m deep	m	946
----	--	---	-----

17	160mm Diameter pipe exceeding 2m and not exceeding 3m deep	m	659
----	--	---	-----

18	160mm Diameter pipe exceeding 3m and not exceeding 4m deep	m	318
----	--	---	-----

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 7
Soil Drainage

19	160mm Diameter pipe exceeding 4m and not exceeding 5m deep	m	211
	<u>Extra over uPVC pipes for fittings</u>		
20	110mm Bend	No	9
21	110mm End cap	No	4
22	110mm Junction	No	6
23	110mm Access Junction	No	2
24	160mm Flexible joint	No	45
25	160mm Bend	No	140
26	160mm Access bend	No	55
27	160mm Junction	No	75
28	160mm Access junction	No	55
	<u>Sundries</u>		
29	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in intermediate rock	m3	527
30	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock	m3	264
31	Mass concrete Class C encasing to horizontal pipes	m3	64
32	Mass concrete Class C encasing to vertical pipes	m3	39
	<u>Connect to existing sewer line</u>		
33	Search, find existing 110mm uPVC pipe, excavate in earth as necessary for and cut in existing pipe for and including precast concrete manhole, cover, etc. not exceeding 2m deep internally, including all precast rings, concrete bottom slab and channels, cover slabs, finishes, etc.	No	4
34	Search, find existing 160mm uPVC pipe, excavate in earth as necessary for and cut in existing pipe for and including precast concrete manhole, cover, etc. not exceeding 2m deep internally, including all precast rings, concrete bottom slab and channels, cover slabs, finishes, etc.	No	1
	Carried to Collection		
	Section No. 5		
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)		
	Bill No. 7		
	Soil Drainage		

R

MANHOLES, ETC

Precast concrete manholes, 1000mm internal diameter, complete including all necessary excavations, precast manholes rings, in situ concrete bottom slabs (size 1430mm diameter) laid to falls (min thickness of slab 150mm and maximum thickness 350mm) with 20mm thick concrete topping, 150mm thick medium duty precast roof slab, channels, finishes, step irons at 300mm centres, cast iron double seal manhole cover and frame (cover and frame elsewhere measured), etc. all joints sealed with 1:3 cement sand mix caulked in ring joints

35	Manhole not exceeding 1m deep	No	52
36	Manhole exceeding 1m and not exceeding 2m deep	No	55
37	Manhole exceeding 2m and not exceeding 3m deep	No	44
38	Manhole exceeding 3m and not exceeding 4m deep	No	5
39	Manhole exceeding 4m and not exceeding 5m deep	No	1
40	Manhole exceeding 5m and not exceeding 6m deep	No	1

Gratings, covers, etc

41	SABS Type 4 medium duty cast iron double seal manhole cover and frame, with frame bedded in 3:1 cement mortar and cover sealed in tallow (See Drawing 20.00GZA04.D008, attached to the back of these bills of quantities)	No	158
----	---	----	-----

Testing

42	Pressure testing drainage pipe system	Item
43	Testing drainage system for open flow by means of drawing a badger through system	Item

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 7
Soil Drainage

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 7

Soil Drainage

SUMMARY

Total Brought Forward from Page No.

Page
No

592

593

594

595

Amount

Carried Forward to Summary of Section No. 5

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 7
Soil Drainage

R

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>BILL NO 8</u>			
	<u>EXTERNAL WATER SUPPLY</u>			
	<u>PREAMBLES</u>			
	<u>Preambles for Trades as defined in Pricing Instructions (C2.1 Item 7)</u>			
	<u>TRADE NAMES</u>			
	Any reference to trade names in the Bills of Quantities or Architect's specification or drawings shall deem to mean "or similar and approved"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE :All Civil works to be carried out in accordance with the standardised SABS 1200 specifications			
	<u>NOTE:</u> The following items shall be deemed to fall into Work Group No 148 for JBCC CPAP purposes			
	<u>WATER SUPPLIES</u>			
	<u>EARTHWORKS</u>			
1	For pipes not exceeding 1m deep	m3	2 372	
2	For pipes exceeding 1m and not exceeding 2m deep	m3	804	
	<u>Extra over excavations for carting away</u>			
3	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1 166	
	Carried to Collection			
	Section No. 5			
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
	Bill No. 8			
	External Water Supply			

BEDDING, BACKFILLING, ETC

Filling from excavations including sifting and compaction to 93% MOD AASHTO density for backfilling to

4	Pipe trenches	m3	1 057
---	---------------	----	-------

Provide bedding (Blanket) from trench excavations in layers not exceeding 150mm thick, compacted to 93% MOD AASHTO density

5	Selected granular material	m3	413
---	----------------------------	----	-----

6	Selected fill material	m3	540
---	------------------------	----	-----

Carted on material from commercial sources including sifting and compaction to 93% MOD AASHTO density for backfilling to

7	Selected granular material	m3	318
---	----------------------------	----	-----

8	Selected fill material	m3	794
---	------------------------	----	-----

PIPEWORK

9	Sterilizing all water pipes prior to installation in strict accordance to the methods and specifications in SANS10252-1		Item
---	---	--	------

HDPE PE100 (PN10) pipes in trenches for use under ground in accordance with SABS 791 with compression (Excavation, bedding material, back filling, compaction, etc. elsewhere)

10	40mm Diameter pipe not exceeding 1m deep	m	732
----	--	---	-----

11	90mm Diameter pipe not exceeding 1m deep	m	732
----	--	---	-----

HDPE PE100 (PN12.5) pipes in trenches for use under ground in accordance with SABS 791 with compression (Excavation, bedding material, back filling, compaction, etc. elsewhere)

12	50mm Diameter pipe not exceeding 1m deep	m	61
----	--	---	----

13	90mm Diameter pipe not exceeding 1m deep	m	546
----	--	---	-----

Extra on HDPE pipes for:

14	40mm HDPE bend	No	7
----	----------------	----	---

Carried to Collection

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 8

External Water Supply

15	40mm HDPE tee	No	1
16	90mm HDPE bend	No	32
17	90mm HDPE tee	No	1
<u>uPVC pipes Class 12 for use under ground in accordance with SABS 791 with uPVC couplings (Excavation, bedding material, back filling, compaction, etc. elsewhere)</u>			
18	32mm Diameter pipe not exceeding 1m deep	m	35
19	50mm Diameter pipe not exceeding 1m deep	m	78
20	75mm Diameter pipe not exceeding 1m deep	m	125
21	110mm Diameter pipe not exceeding 1m deep	m	184
22	160mm Diameter pipe not exceeding 1m deep	m	1 529
23	160mm Diameter pipe exceeding 1m deep and not exceeding 2m deep	m	40
24	200mm Diameter pipe exceeding 1m deep and not exceeding 2m deep	m	505
<u>Extra on uPVC pipes for:</u>			
25	32mm Bend	No	6
26	32mm Tee	No	4
27	50mm Bend	No	13
28	50mm Tee	No	9
29	50mm Reducer	No	7
30	50 x 32mm Reducing tee	No	5
31	75mm Bend	No	21
32	75mm Tee	No	14
33	75mm Reducer	No	10
34	75 x 50mm Reducing tee	No	8
35	100mm Bend	No	31
Carried to Collection			
Section No. 5			
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
Bill No. 8			
External Water Supply			

R

36	100mm Tee	No	20
37	100mm Reducer	No	15
38	100 x 75mm Reducing tee	No	12
39	160mm Bend	No	35
40	160mm Tee	No	6
41	160mm Reducer	No	7
42	160 x 50mm Reducing tee	No	6
43	160 x 75mm Reducing tee	No	4
44	160 x 100mm Reducing tee	No	3
45	200mm Bend	No	6
46	200mm Reducer	No	2
47	200 x 160mm Reducing tee	No	2
	<u>Taps, Valves, etc.</u>		
48	50mm Isolated valve	No	1
49	100mm Isolating valve	No	12
50	160mm Isolated valve	No	10
	<u>Sundries</u>		
51	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in intermediate rock	m3	318
52	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock	m3	159
53	Mass concrete Class C encasing to horizontal pipes	m3	4
54	Mass concrete Class C encasing to vertical pipes	m3	1
Carried to Collection			
Section No. 5			
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)			
Bill No. 8			
External Water Supply			

R

Valve box 750mm internal diameter on 19mm stone base 75mm thick, 100mm pre-cast concrete cover slab including cover and frame 150 x 150 x 100mm cast into frame. (See Drawing 20.00GZA05.D001 attached to the back of these bills of quantities)

55	Valve Box not exceeding 1m deep	No	10
56	Valve Box exceeding 1m and not exceeding 2m deep	No	1

WATER SUPPLIES TO FIRE APPLIANCES

EARTHWORKS

Excavations in earth

57	For pipes not exceeding 1m deep	m3	1 825
----	---------------------------------	----	-------

Extra over excavations for carting away

58	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	730
----	--	----	-----

BEDDING, BACKFILLING, ETC

Provide bedding from trench excavations in layers not exceeding 150mm thick, compacted to 90% MOD AASHTO density

59	Selected granular material	m3	730
60	Selected fill material	m3	365

Carted on material from commercial sources including sifting and compaction to 90% MOD AASHTO density for backfilling to

61	Selected granular material	m3	365
62	Selected fill material	m3	365

PIPEWORK

Galvanised mild steel pipes to walls

63	32mm Pipes fixed to walls with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	17
----	--	---	----

Carried to Collection

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 8

External Water Supply

64	50mm Pipes fixed to walls with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	7		
65	65mm Pipes fixed to walls with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	3		
66	80mm Pipes fixed to walls with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	14		
67	100mm Pipes fixed to walls with M10 rubber lined hanger brackets including M10 threaded rod not exceeding 500mm long and M10 drop-in anchor	m	17		
	<u>Galvanised mild steel pipes in trenches (Excavation, bedding material, back filling, compaction, etc. elsewhere)</u>				
68	32mm Diameter pipe not exceeding 1m deep including wrapping in 2 layers of petrolatum tape	m	88		
69	50mm diameter pipe not exceeding 1m deep including wrapping in 2 layers of petrolatum tape	m	48		
70	65mm diameter pipe not exceeding 1m deep including wrapping in 2 layers of petrolatum tape	m	431		
71	80mm diameter pipe not exceeding 1m deep including wrapping in 2 layers of petrolatum tape	m	383		
72	100mm Diameter pipe not exceeding 1m deep including wrapping in two layers of petrolatum tape	m	75		
73	150mm Diameter pipe not exceeding 1m deep including wrapping in two layers of petrolatum tape	m	2 803		
74	200mm Diameter pipe not exceeding 1m deep including wrapping in two layers of petrolatum tape	m	309		
	<u>Extra over galvanised mild steel pipes for fittings including wrapping in two layers of petrolatum tape</u>				
75	32mm Bend	No	12		
76	32mm Isolating Valve	No	3		
77	50mm Bend	No	2		
78	50 x 32mm Reducing Socket	No	1		
	Carried to Collection				R
	Section No. 5				
	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
	Bill No. 8				
	External Water Supply				

79	50 x 50 x 32mm Reducing tee	No	1	
80	50mm Isolating Valve	No	3	
81	65mm Bend	No	60	
82	65mm Tee	No	1	
83	65 x 32mm Reducing Bend	No	1	
84	65 x 32mm Reducing socket	No	1	
85	65mm Isolating Valve	No	48	
86	80mm Bend	No	4	
87	80mm Isolating valve	No	4	
88	100mm Bend	No	5	
89	100 x 45mm Reducing bend	No	2	
90	100 x 80mm Reducing socket	No	5	
91	100mm Isolating valve	No	5	
92	150 x 100mm Reducer	No	2	
93	150 x 150 x 32mm Reducing tee	No	4	
94	150 x 150 x 50mm Reducing tee	No	3	
95	150 x 150 x 65mm Reducing tee	No	51	
96	150 x 150 x 80mm Reducing tee	No	4	
97	150 x 150 x 100mm Reducing tee	No	5	
98	150mm Bend	No	48	
99	150mm Tee	No	7	
100	150mm Isolating valve	No	14	
101	150mm Pressure release valve	No	10	
102	200mm Bend	No	12	
103	200 x 150mm Reducer	No	3	
Carried to Collection				
Section No. 5				
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)				
Bill No. 8				
External Water Supply				

104	200 x 200 x 65mm Reducing tee	No	1
105	200 x 200 x 150mm Reducing tee	No	2
106	200mm Isolating valve	No	2
<u>WATER METERS ETC.</u>			
107	100mm Combination water meter	No	1
<u>FIRE HYDRANTS ETC.</u>			
<u>Hot dipped galvanised screwed steel pipes and fittings as described</u>			
108	80mm Diameter pipe 1500mm long	No	30
109	80mm Diameter long radius bend female threaded	No	30
110	80mm Diameter Right angle type shielded spindle hydrant valve with 65mm threaded inlet	No	30
111	150 x 80mm Reducer	No	30
112	80mm Isolating valve	No	30
113	Hydrant tee on water main	No	30
114	300 x 300 x 100mm Thrust block including all necessary excavations, formwork, etc.	No	30
115	80 x 300 x 150mm Concrete block including all necessary excavations, formwork, etc.	No	30

Carried to Collection

R

Section No. 5
SECTION 5 - EXTERNAL WORKS (PROVISIONAL)
Bill No. 8
External Water Supply

GALVANIZED WATER TANK

116	Approved hot dip galvanised steel sectional water tank, with a capacity of 305 000 litre, formed of 6mm thick sheeting, provided with two access openings covered with 3mm thick cover plates, two vermin and dust proof ventilators, two externally visible level indicators, two 100mm diameter inlet connection (roof), two 100mm diameter scour connections (wall), four 150mm diameter service connections (wall), four 40mm diameter control connections (roof), two 100mm diameter overflow connection (wall) internal dividing wall to separate tank in two equal compartments, including threaded inlet and outlet connections and overflow pipes, including 100mm flanged gate valve, including EPNS equilibrium float valve, including access opening covered with 3mm thick cover plate, sealing of joints, stiffeners, brackets, bolts, nuts, external ladder, completely erected with bottom of tank on concrete footings (elsewhere measured). All in accordance with the manufacturer's specifications and SABS CKS 114.	No	1.00
117	Approved hot dip galvanised steel sectional water tank, with a capacity of 1 000 000 litre, formed of 6mm thick sheeting, provided with two access openings covered with 3mm thick cover plates, two vermin and dust proof ventilators, two externally visible level indicators, two 100mm diameter inlet connection (roof), two 100mm diameter scour connections (wall), four 150mm diameter service connections (wall), four 40mm diameter control connections (roof), two 100mm diameter overflow connection (wall) internal dividing wall to separate tank in two equal compartments, including threaded inlet and outlet connections and overflow pipes, including 100mm flanged gate valve, including EPNS equilibrium float valve, including access opening covered with 3mm thick cover plate, sealing of joints, stiffeners, brackets, bolts, nuts, external ladder, completely erected with bottom of tank on concrete footings (elsewhere measured). All in accordance with the manufacturer's specifications and SABS CKS 114.	No	1.00
118	Allow for testing of tanks by filling to maximum service level		Item

Carried to Collection

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 8

External Water Supply

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 8

External Water Supply

SUMMARY

Total Brought Forward from Page No.

Page
No

Amount

597

598

599

600

601

602

603

604

605

Carried Forward to Summary of Section No. 5

R

Section No. 5

SECTION 5 - EXTERNAL WORKS (PROVISIONAL)

Bill No. 8

External Water Supply

Item No	Quantity	Rate	Amount
<u>SECTION NO. 6</u>			
<u>BILL NO 1</u>			
<u>PROVISIONAL SUMS</u>			
<u>SELECTED SUB CONTRACTS</u>			
<p>The following provisional sums cover the complete supply and installation of material and equipment by firms of specialists to be selected sub-contractors. Provisional sums are nett and do not include for builders discount</p> <p>The Contractor may allow under the "profit" item for any profit he considers necessary. If the Contractor allows an amount for profit, this amount will be adjusted in direct proportion to the final value of the specialist work</p> <p>The Contractor shall not be entitled to any loss in profit should any provisional sum or part thereof, irrespective of the amount be omitted</p> <p><u>Attendance on Selected Sub-contractors</u></p> <p>Each provisional sum in this bill is followed by an item under which the Contractor may allow for attendance on the specific Sub- contractor</p> <p>The amounts of the items for "Attendance" are to allow for giving every facility to attending upon and making good in all trades after the Specialists have completed their work, for providing the use of all water, electricity, storage space for materials, etc. the use of general amenities, i.e. latrines, etc., for the specialists and their workmen. For maintaining conduits, sleeve pipes, etc. in position during the building operations and providing the use of all ordinary scaffolding and plant. The Contractor is to leave erected scaffolding in position for the period required for work by the selected sub-contractors under this contract</p> <p>-----</p>			
Carried to Collection			R
Section No. 6			
SECTION 6 - PROVISIONAL SUMS			
Bill No. 1			
Provisional Sums			

ESKOM CONNECTION ALLOWANCE

1 Provide the sum of R 6,300,000.00 (Six Million Three Hundred Thousand Rand) nett for Eskom connection

Item 6 300 000.00

2 Allow for profit if required

Item

3 Allow for attendance

Item

ESKOM GUARANTEE/SECURITY ALLOWANCE

4 Provide the sum of R 6,700,000.00 (Six Million Seven Hundred Thousand Rand) nett for Eskom connection

Item 6 700 000.00

5 Allow for profit if required

Item

6 Allow for attendance

Item

ELECTRICAL INSTALLATION

7 Provide the sum of R 81,000,000.00 (Eighty one Million Rand) nett for Electrical Installation

Item 81 000 000.00

8 Allow for profit if required

Item

9 Allow for attendance

Item

FIRE DETECTION INSTALLATION

10 Provide the sum of R 6,300,000.00 (Six Million Three Hundred Thousand Rand) nett for Fire detection installation

Item 6 300 000.00

11 Allow for profit if required

Item

12 Allow for attendance

Item

RELOCATION OF EXISTING MV AND LV ELECTRICAL SERVICES

13 Provide the sum of R 650,000.00 (Six Hundred and Fifty Thousand Rand) nett for Relocation of existing MV and LV electrical services

Item 650 000.00

14 Allow for profit if required

Item

15 Allow for attendance

Item

Carried to Collection

R

Section No. 6
SECTION 6 - PROVISIONAL SUMS
Bill No. 1
Provisional Sums

ICT AND SECURITY INSTALLATION

16 Provide the sum of R 34,500,000.00 (Thirty Four Million Five Hundred Thousand Rand) nett for ICT and security Installation

Item 34 500 000.00

17 Allow for profit if required.

Item

18 Allow for attendance

Item

HVAC DUCTING, DIFFUSION, AIR HANDLING UNITS AND VENTILATION INSTALLATION

19 Allow the Amount of R 46,000,000.00 (Forty Six Million Rand) nett for HVAC ducting, diffusion, Air handling units and Ventilation Installation

Item 46 000 000.00

20 Allow for profit if required

Item

21 Allow for attendance

Item

THERMAL ACTIVATED BUILDING SYSTEM

22 Allow the Amount of R 1,800,000.00 (One Million Eight Hundred Thousand Rand) nett for Thermal Activated Building System

Item 1 800 000.00

23 Allow for profit if required

Item

24 Allow for attendance

Item

LIFT INSTALLATION

25 Allow the Amount of R 7,700,000.00 (Seven Million Seven Hundred Thousand Rand) nett for Lift Installation

Item 7 700 000.00

26 Allow for profit if required

Item

27 Allow for attendance

Item

MEDICAL GAS INSTALLATION

28 Allow the Amount of R 10,200,000.00 (Ten Million Two Hundred Thousand Rand) nett for Medical Gas Installation

Item 10 200 000.00

29 Allow for profit if required

Item

30 Allow for attendance

Item

Carried to Collection

R

Section No. 6
SECTION 6 - PROVISIONAL SUMS
Bill No. 1
Provisional Sums

**SPECIALISED COMPRESSED AIR
INSTALLATION**

31	Allow the Amount of R 1,300,000.00 (One Million Three Hundred Thousand Rand) nett for Specialised Compressed Air Installation	Item	1 300 000.00
32	Allow for profit if required	Item	
33	Allow for attendance	Item	

TEMPORARY MORTUARY

34	Allow the Amount of R 1,200,000.00 (One Million Two Hundred Thousand Rand) nett for Temporary Mortuary	Item	1 200 000.00
35	Allow for profit if required	Item	
36	Allow for attendance	Item	

KITCHEN INSTALLATION

37	Allow the Amount of R 6,500,000.00 (Six Million Five Hundred Thousand Rand) nett for Kitchen Installation	Item	6 500 000.00
38	Allow for profit if required	Item	
39	Allow for attendance	Item	

LAUNDRY INSTALLATION

40	Allow the Amount of R 10,200,000.00 (Ten Million Two Hundred Thousand Rand) nett for Laundry Installation	Item	10 200 000.00
41	Allow for profit if required	Item	
42	Allow for attendance	Item	

BOILER INSTALLATION

43	Allow the Amount of R 1,700,000.00 (One Million Seven Hundred Thousand Rand) nett for Boiler Installation	Item	1 700 000.00
44	Allow for profit if required	Item	
45	Allow for attendance	Item	

Carried to Collection

R

Section No. 6
SECTION 6 - PROVISIONAL SUMS
Bill No. 1
Provisional Sums

AUTOCLAVES

46 Allow the Amount of R 5,400,000.00 (Five Million Four Hundred Thousand Rand) nett for Autoclaves

Item 5 400 000.00

47 Allow for profit if required

Item

48 Allow for attendance

Item

FIRE GAS SUPPRESSION INSTALLATION

49 Allow the Amount of R 2,200,000.00 (Two Million Two Hundred Rand), nett for Fire gas suppression installation

Item 2 200 000.00

50 Allow for profit if required

Item

51 Allow for attendance

Item

WASTE MANAGEMENT

52 Allow the Amount of R 1,500,000.00 (One Million Five Hundred Thousand Rand) nett for Waste Management

Item 1 500 000.00

53 Allow for profit if required

Item

54 Allow for attendance

Item

HANDLING UNIT FRAMES AND SUPPORT

55 Allow the Amount of R 1,500,000.00 (One Million Five Hundred Thousand Rand) nett for Air handling units and support structures

Item 1 500 000.00

56 Allow for profit if required

Item

57 Allow for attendance

Item

LANDSCAPING AND IRRIGATION

58 Allow the Amount of R 7,000,000.00 (Seven Million Rand) nett for Soft Landscaping and Irrigation

Item 7 000 000.00

59 Allow for profit if required

Item

60 Allow for attendance

Item

Carried to Collection

R

Section No. 6
SECTION 6 - PROVISIONAL SUMS
Bill No. 1
Provisional Sums

LANDSCAPING FURNITURE

61 Allow the Amount of R 1,100,000.00 (One Million One Hundred Thousand Rand) nett for Landscaping Furniture

Item 1 100 000.00

62 Allow for profit if required

Item

63 Allow for attendance

Item

WATER AND FIRE PUMP INSTALLATIONS

64 Provide the sum of R 2,800,000.00 (Two Million and Eight Hundred Thousand Rand) nett for water and fire pump installation

Item 2 800 000.00

65 Allow for profit if required

Item

66 Allow for attendance

Item

WASTE WATER TREATMENT PLANT

67 Provide the sum of R 3,200,000.00 (Three Million Two Hundred Thousand Rand) nett for de-slugging and upgrading of the existing waste water treatment plant.

Item 3 200 000.00

68 Allow for profit if required

Item

69 Allow for attendance

Item

UPGRADE AND TREATMENT OF EXISTING BOREHOLES

70 Allow the Amount of R 1,500,000.00 (One Million Five Hundred Thousand Rand), nett for the upgrade and water treatment of the existing borehole installation

Item 1 500 000.00

71 Allow for profit if required

Item

72 Allow for attendance

Item

FIREPROOFING

73 Allow the Amount of R 600,000.00 (Six Hundred Thousand Rand) nett for Fireproofing and sealing

Item 600 000.00

74 Allow for profit if required

Item

75 Allow for attendance

Item

Carried to Collection

R

Section No. 6
SECTION 6 - PROVISIONAL SUMS
Bill No. 1
Provisional Sums

SIGNAGE

- 76 Allow the Amount of R 1,700,000.00 (One Million and Seven Hundred Thousand Rand), nett for signage.
- 77 Allow for profit if required
- 78 Allow for attendance

Item	1 700 000.00
Item	
Item	

HEALTH TECHNOLOGY

- 79 Allow the Amount of R 80,000,000.00 (Eighty Million Rand) nett for Health Technology
- 80 Allow for profit if required
- 81 Allow for attendance

Item	80 000 000.00
Item	
Item	

HEALTH TECHNOLOGY EQUIPMENT

- 82 Allow the Amount of R 50,000,000.00 (Fifty Million Rand) nett for Health Technology Equipment
- 83 Allow for profit if required
- 84 Allow for limited attendance no installation loose equipment and furniture only, delivery after practical completion.

Item	50 000 000.00
Item	
Item	

TRAINING

- 85 Allow the Amount of R 4,000,000.00 (Four Million Rand) nett for Training
- 86 Allow for profit if required
- 87 Allow for attendance

Item	4 000 000.00
Item	
Item	

COMMUNITY LIAISON OFFICER

- 88 Allow the Amount of R 550,000.00 (Five Hundred and Fifty Thousand Rand) nett for monthly payment of the Community Liaison Officer
- 89 Allow for profit if required
- 90 Allow for attendance

Item	550 000.00
Item	
Item	

Carried to Collection

R

Section No. 6
SECTION 6 - PROVISIONAL SUMS
Bill No. 1
Provisional Sums

Section No. 6

SECTION 6 - PROVISIONAL SUMS

Bill No. 1

Provisional Sums

SUMMARY

Total Brought Forward from Page No.

**Page
No**

Amount

608

609

610

611

612

613

614

Carried to Final Summary

R

Section No. 6

SECTION 6 - PROVISIONAL SUMS

Bill No. 1

Provisional Sums

Section No	PRE-TENDER ESTIMATE	Page No	Amount
1	SECTION 1 - PRELIMINARIES	32	
2	SECTION 2 - EXISTING HOSPITAL (PROVISIONAL)	169	
3	SECTION 3 - NEW HOSPITAL	509	
4	SECTION 4 - BUILDERS WORK (PROVISIONAL)	516	
5	SECTION 5 - EXTERNAL WORKS (PROVISIONAL)	607	
6	SECTION 6 - PROVISIONAL SUMS	615	
	SUB TOTAL		R
	<u>ALLOWANCE FOR CONTINGENCIES</u>		
	Allow the Amount of R 40,000,000.00 (Forty Million Rand) for Contingencies to be used at the discretion of the Employer, or to be deducted in whole or in part if not required	Item	40 000 000.00
	<u>ALLOWANCE FOR ESCALATION</u>		
	Allow the Amount of R 98,000,000-00 (Ninety- Eight Million Rand) for Escalation to be adjusted accordingly to contract conditions	Item	98 000 000.00
	SUB TOTAL (EXCLUDING VAT @ 15%)		R
	VAT @ 15%		R
	CARRIED TO FORM OF OFFER AND ACCEPTANCE (INCLUDING VAT@ 15%)		R