

| DESCRIPTION: IKHALA TVET COLLEGE - CANTEEN                                                                                                                          | UNIT | CONTRACT |      |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------|--------|
|                                                                                                                                                                     |      | QUANTITY | RATE | AMOUNT |
| SECTION NO. 1                                                                                                                                                       | H1   |          |      |        |
| PRELIMINARIES AND GENERAL                                                                                                                                           | H1   |          |      |        |
| BUILDING WORK                                                                                                                                                       | H1   |          |      |        |
| BILL NO. 1                                                                                                                                                          | H1   |          |      |        |
| <u>FIXED CHARGE ITEMS</u>                                                                                                                                           |      |          |      |        |
| <u>Contractual requirements.</u>                                                                                                                                    |      |          |      |        |
| Insurances                                                                                                                                                          | SUM  | 1        |      |        |
| Programming                                                                                                                                                         | SUM  | 1        |      |        |
| Performance Security                                                                                                                                                | SUM  | 1        |      |        |
| Retention Guarantee                                                                                                                                                 | SUM  | 1        |      |        |
| <u>Establishment of Facilities on the Site</u>                                                                                                                      |      |          |      |        |
| <u>Facilities for Engineer</u>                                                                                                                                      |      |          |      |        |
| Equipment for the Engineer's Staff                                                                                                                                  | SUM  | 1        |      |        |
| <u>Facilities for Contractor</u>                                                                                                                                    | H4   |          |      |        |
| Offices and Storage Sheds                                                                                                                                           | SUM  | 1        |      |        |
| Workshops                                                                                                                                                           | SUM  | 1        |      |        |
| Site Establishment                                                                                                                                                  | SUM  | 1        |      |        |
| Living Accomodation - The Contractor to supply a breakdown of the different categories namley: Supervision, Skilled Labor, Semi Skilled Labour and Unskilled Labour | SUM  | 1        |      |        |
| Laboratory Facilities                                                                                                                                               | SUM  | 1        |      |        |
| Ablution and Latrine Facilities                                                                                                                                     | SUM  | 1        |      |        |
| Tools and Equipment                                                                                                                                                 | SUM  | 1        |      |        |
| Water Supplies                                                                                                                                                      | SUM  | 1        |      |        |
| Electric Power                                                                                                                                                      | SUM  | 1        |      |        |
| Communication                                                                                                                                                       | SUM  | 1        |      |        |
| Air Supplies                                                                                                                                                        | SUM  | 1        |      |        |
| Dealing with Water                                                                                                                                                  | SUM  | 1        |      |        |
| Access                                                                                                                                                              | SUM  | 1        |      |        |
| <u>Facilities Requiring Special Attention</u>                                                                                                                       |      |          |      |        |
| Security                                                                                                                                                            | SUM  | 1        |      |        |
| Safety                                                                                                                                                              | SUM  | 1        |      |        |

|                                                                                                                                                                     |     |   |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|--|--|
|                                                                                                                                                                     |     |   |  |  |
| Samples and certification of materials                                                                                                                              | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Testing Authority                                                                                                                                                   | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Other Contractors                                                                                                                                                   | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Quality Assurance                                                                                                                                                   | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Orders and Indents                                                                                                                                                  | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Site Meetings                                                                                                                                                       | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Plant for the Works                                                                                                                                                 | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Transport on the site                                                                                                                                               | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Transport of the Workforce to and from the site                                                                                                                     | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Supervision for the duration of the construction                                                                                                                    | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Company and head office overheads costs for the duration of the contract works                                                                                      | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Other fixed charge obligation - Contractor to submit details                                                                                                        | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Remove site establishment on completion                                                                                                                             | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| <b>VALUE RELATED ITEMS</b>                                                                                                                                          |     |   |  |  |
|                                                                                                                                                                     |     |   |  |  |
| <u>Contractual requirements.</u>                                                                                                                                    |     |   |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Insurances                                                                                                                                                          | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Programming                                                                                                                                                         | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Performance Security                                                                                                                                                | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Retention Guarantee                                                                                                                                                 | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| <u>Establishment of Facilities on the Site</u>                                                                                                                      |     |   |  |  |
|                                                                                                                                                                     |     |   |  |  |
| <u>Facilities for Engineer</u>                                                                                                                                      |     |   |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Equipment for the Engineer's Staff                                                                                                                                  | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| <u>Facilities for Contractor</u>                                                                                                                                    |     |   |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Offices and Storage Sheds                                                                                                                                           | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Workshops                                                                                                                                                           | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Site Establishment                                                                                                                                                  | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Living Accomodation - The Contractor to supply a breakdown of the different categories namley: Supervision, Skilled Labor, Semi Skilled Labour and Unskilled Labour | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Laboratory Facilities                                                                                                                                               | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Ablution and Latrine Facilities                                                                                                                                     | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |
| Tools and Equipment                                                                                                                                                 | SUM | 1 |  |  |
|                                                                                                                                                                     |     |   |  |  |

|                                                                                |     |   |  |  |
|--------------------------------------------------------------------------------|-----|---|--|--|
| Water Supplies                                                                 | SUM | 1 |  |  |
| Electric Power                                                                 | SUM | 1 |  |  |
| Communication                                                                  | SUM | 1 |  |  |
| Air Supplies                                                                   | SUM | 1 |  |  |
| Dealing with Water                                                             | SUM | 1 |  |  |
| Access                                                                         | SUM | 1 |  |  |
| <u>Facilities Requiring Special Attention</u>                                  |     |   |  |  |
| Security                                                                       | SUM | 1 |  |  |
| Safety                                                                         | SUM | 1 |  |  |
| Samples and certification of materials                                         | SUM | 1 |  |  |
| Testing Authority                                                              | SUM | 1 |  |  |
| Other Contractors                                                              | SUM | 1 |  |  |
| Quality Assurance                                                              | SUM | 1 |  |  |
| Orders and Indents                                                             | SUM | 1 |  |  |
| Site Meetings                                                                  | SUM | 1 |  |  |
| Plant for the Works                                                            | SUM | 1 |  |  |
| Transport on the site                                                          | SUM | 1 |  |  |
| Transport of the Workforce to and from the site                                | SUM | 1 |  |  |
| Supervision for the duration of the construction                               | SUM | 1 |  |  |
| Company and head office overheads costs for the duration of the contract works | SUM | 1 |  |  |
| Other value related obligations - Contractor to submit details                 | SUM | 1 |  |  |
| Remove site establishment on completion                                        | SUM | 1 |  |  |
| <b>TIME RELATED ITEMS</b>                                                      |     |   |  |  |
| <u>Contractual requirements.</u>                                               |     |   |  |  |
| Insurances                                                                     | SUM | 1 |  |  |
| Programming                                                                    | SUM | 1 |  |  |
| Performance Security                                                           | SUM | 1 |  |  |
| Retention Guarantee                                                            | SUM | 1 |  |  |
| <u>Establishment of Facilities on the Site</u>                                 |     |   |  |  |
| <u>Facilities for Engineer</u>                                                 |     |   |  |  |
| Equipment for the Engineer's Staff                                             | SUM | 1 |  |  |
| <u>Facilities for Contractor</u>                                               |     |   |  |  |

|                                                                                                                                                                     |     |   |             |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|-------------|-------------|
|                                                                                                                                                                     |     |   |             |             |
| Offices and Storage Sheds                                                                                                                                           | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Workshops                                                                                                                                                           | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Site Establishment                                                                                                                                                  | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Living Accomodation - The Contractor to supply a breakdown of the different categories namley: Supervision, Skilled Labor, Semi Skilled Labour and Unskilled Labour | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Laboratory Facilities                                                                                                                                               | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Ablution and Latrine Facilities                                                                                                                                     | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Tools and Equipment                                                                                                                                                 | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Water Supplies                                                                                                                                                      | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Electric Power                                                                                                                                                      | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Communication                                                                                                                                                       | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Air Supplies                                                                                                                                                        | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Dealing with Water                                                                                                                                                  | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Access                                                                                                                                                              | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| <u>Facilities Requiring Special Attention</u>                                                                                                                       |     |   |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Security                                                                                                                                                            | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Safety                                                                                                                                                              | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Samples and certification of materials                                                                                                                              | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Testing Authority                                                                                                                                                   | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Other Contractors                                                                                                                                                   | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Quality Assurance                                                                                                                                                   | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Orders and Indents                                                                                                                                                  | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Site Meetings                                                                                                                                                       | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Plant for the Works                                                                                                                                                 | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Transport on the site                                                                                                                                               | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Transport of the Workforce to and from the site                                                                                                                     | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Supervision for the duration of the construction                                                                                                                    | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Company and head office overheads costs for the duration of the contract works                                                                                      | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Other time related obligation - Contractor to submit details                                                                                                        | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| Remove site establishment on completion                                                                                                                             | SUM | 1 |             |             |
|                                                                                                                                                                     |     |   |             |             |
| COMMUNITY LIAISON OFFICER (CLO) Provide the sum of R60 000.00 for payment of CLO for duration of the contract                                                       |     | 1 | R 60 000,00 | R 60 000,00 |

|                                                                                                                                                                                                                                                                             |           |   |              |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|--------------|--------------|
| Project Steering Committee (PSC) Provide the Sum of R25 000. 00 for payment of PSC members per attendance of progress meetings                                                                                                                                              |           | 1 | R 25 000,00  | R 25 000,00  |
| ISD Consultant appointed by Principal Agent                                                                                                                                                                                                                                 |           | 1 | R 150 000,00 | R 150 000,00 |
| <b>TOTAL - SECTION 1 - BILL NO 1 - PRELIMINARIES AND GENERAL</b>                                                                                                                                                                                                            |           |   |              |              |
|                                                                                                                                                                                                                                                                             |           |   |              |              |
| <b>SECTION NO.2</b>                                                                                                                                                                                                                                                         | <b>H1</b> |   |              |              |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                        | <b>H1</b> |   |              |              |
| <b>BILL NO.1</b>                                                                                                                                                                                                                                                            | <b>H1</b> |   |              |              |
| <b>FOUNDATIONS</b>                                                                                                                                                                                                                                                          | <b>H1</b> |   |              |              |
| <b>EARTHWORKS</b>                                                                                                                                                                                                                                                           | <b>H2</b> |   |              |              |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                                                                       |           |   |              |              |
| -----                                                                                                                                                                                                                                                                       |           |   |              |              |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                                                                       | <b>H2</b> |   |              |              |
| Nature of ground                                                                                                                                                                                                                                                            | <b>H4</b> |   |              |              |
| The nature of the ground is assumed to be sandy weathered granite, therefore "earth", but possibly interspersed with "hard rock"                                                                                                                                            |           |   |              |              |
| Excavation for working space in rock                                                                                                                                                                                                                                        | <b>H4</b> |   |              |              |
| Notwithstanding clause 11 page 8 of 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 |           |   |              |              |
| Carting away of excavated material                                                                                                                                                                                                                                          | <b>H4</b> |   |              |              |
| Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site                                                        |           |   |              |              |
| Filling                                                                                                                                                                                                                                                                     | <b>H4</b> |   |              |              |
| Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material                                |           |   |              |              |
| Soil poisoning                                                                                                                                                                                                                                                              | <b>H4</b> |   |              |              |
| Ant and weed poisoning will be applied in accordance to SABS specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. The contractor will only be paid for this items once they have produced the said certificate to                |           |   |              |              |

|                                                                                                                                                                                                                 |           |      |  |     |
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| the Principal Agent                                                                                                                                                                                             |           |      |  |     |
| <b>SITE CLEARANCE AND REMOVAL OF TREES, ETC.</b>                                                                                                                                                                | <b>H2</b> |      |  |     |
| <b>Clear site and remove all debris, shrubs etc</b>                                                                                                                                                             | <b>H3</b> |      |  |     |
| Site clearance                                                                                                                                                                                                  | m2        | 1100 |  | R - |
| <b>EXCAVATION, FILLING, ETC</b>                                                                                                                                                                                 | <b>H2</b> |      |  |     |
| <b>Excavation in earth not exceeding 2m deep</b>                                                                                                                                                                | <b>H4</b> |      |  |     |
| Trenches                                                                                                                                                                                                        | m3        | 317  |  | R - |
| Column Bases                                                                                                                                                                                                    | m3        | 31   |  | R - |
| <b>Extra over trench and hole excavations in earth for excavation in:</b>                                                                                                                                       | <b>H4</b> |      |  |     |
| Soft rock                                                                                                                                                                                                       | m3        | 35   |  | R - |
| Hard rock                                                                                                                                                                                                       | m3        | 17   |  | R - |
| <b>Extra over excavations for Carting away</b>                                                                                                                                                                  | <b>H4</b> |      |  |     |
| Extra over excavations in soft pickable material for carting way. Site to be located by the contractor                                                                                                          | m3        | 348  |  | R - |
| <b>Filling</b>                                                                                                                                                                                                  | <b>H4</b> |      |  |     |
| <b>Imported material compacted to 95% MOD AASHTO Density</b>                                                                                                                                                    | <b>H4</b> |      |  |     |
| G5 imported material in filling to excavated surfaces compacted in layers of 150mm                                                                                                                              | m3        | 44   |  | R - |
| G7 imported material in filling to excavated surfaces compacted in layers of 150mm                                                                                                                              | m3        | 131  |  | R - |
| <b>Backfilling to trenches using G7 imported material</b>                                                                                                                                                       | <b>H4</b> |      |  |     |
| Backfilling to trenches, holes, etc                                                                                                                                                                             | m3        | 84   |  | R - |
| <b>Compaction of surfaces</b>                                                                                                                                                                                   |           |      |  |     |
| Compaction of ground surface under floors, etc., including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 97% Mod. AASHTO density | m2        | 715  |  | R - |
| <b>Risk of collapse of excavations</b>                                                                                                                                                                          | <b>H4</b> |      |  |     |
| Sides of trench and hole excavations not exceeding 1,5m deep                                                                                                                                                    | m2        | 707  |  | R - |
| <b>Keeping excavations free of water</b>                                                                                                                                                                        | <b>H4</b> |      |  |     |
| Keeping excavations free of all water other than subterranean water                                                                                                                                             | Item      | 1    |  | R - |
| <b>Prescribed density tests on filling</b>                                                                                                                                                                      | <b>H4</b> |      |  |     |
| "Modified AASHTO Density" test                                                                                                                                                                                  | No        | 10   |  | R - |
| <b>SOIL POISONING</b>                                                                                                                                                                                           | <b>H2</b> |      |  |     |
| <b>Soil insecticide</b>                                                                                                                                                                                         | <b>H4</b> |      |  |     |

|                                                                                                                                                                                                          |           |      |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|---|---|
| Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming                                                                            | m2        | 715  | R | - |
| To bottoms and sides of trenches etc                                                                                                                                                                     | m2        | 1002 | R | - |
| <b>CONCRETE, FORMWORK AND REINFORCEMENT</b>                                                                                                                                                              | <b>H2</b> |      |   |   |
| <b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>                                                                                                                                               | <b>H2</b> |      |   |   |
| <b>25Mpa/29mm stone</b>                                                                                                                                                                                  | <b>H4</b> |      |   |   |
| Strip footings                                                                                                                                                                                           | m3        | 68   | R | - |
| Column bases                                                                                                                                                                                             | m3        | 15   | R | - |
| 100mm surface bed cast on waterproofing                                                                                                                                                                  | m3        | 74   | R | - |
| <b>Fabric reinforcement</b>                                                                                                                                                                              | <b>H4</b> |      |   |   |
| Type 193 fabric reinforcement in concrete surface beds, slabs, etc                                                                                                                                       | m2        | 715  | R | - |
| <b>Reinforcement to foundation concrete work</b>                                                                                                                                                         | <b>H4</b> |      |   |   |
| 10mm Diameter bars                                                                                                                                                                                       | t         | 6    | R | - |
| 14mm Diameter bars                                                                                                                                                                                       | t         | 6    | R | - |
| 16mm Diameter bars                                                                                                                                                                                       | t         | 6    | R | - |
| <b>CONCRETE SUNDRIES</b>                                                                                                                                                                                 | <b>H2</b> |      |   |   |
| <b>Finishing top surfaces of concrete smooth with a wood float</b>                                                                                                                                       | <b>H4</b> |      |   |   |
| Surface beds, slabs, etc                                                                                                                                                                                 | m2        | 715  | R | - |
| <b>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>                                                                                                                                             | <b>H2</b> |      |   |   |
| Extra over for cast concrete against excavated surfaces                                                                                                                                                  | m2        | 153  | R | - |
| 50mm concrete blinding                                                                                                                                                                                   | m3        | 13   | R | - |
| <b>TEST CUBES</b>                                                                                                                                                                                        | <b>H2</b> |      |   |   |
| Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith. | Sets      | 12   | R | - |
| <b>BRICKWORK</b>                                                                                                                                                                                         | <b>H2</b> |      |   |   |
| <b>Brickwork of NFP bricks in class II mortar</b>                                                                                                                                                        | <b>H4</b> |      |   |   |
| One brick walls                                                                                                                                                                                          | m2        | 169  | R | - |
| 10mm jointex sealed with a polysulphide sealant                                                                                                                                                          | m         | 609  | R | - |
| <b>Brickwork reinforcement</b>                                                                                                                                                                           | <b>H4</b> |      |   |   |
| 150mm Wide reinforcement built in horizontally                                                                                                                                                           | m         | 1828 | R | - |

|                                                                                                                                                                         |    |    |  |   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--|---|---|
| TOATL - SECTION 2 - BILL NO 1 - FOUNDATION                                                                                                                              |    |    |  | R | - |
|                                                                                                                                                                         |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| SECTION NO.2                                                                                                                                                            | H1 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| BUILDING WORK                                                                                                                                                           | H1 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| BILL NO. 2                                                                                                                                                              | H1 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| MASONRY                                                                                                                                                                 | H1 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                   |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| -----                                                                                                                                                                   |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| SUPPLEMENTARY PREAMBLES                                                                                                                                                 | H2 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| BRICKWORK                                                                                                                                                               | H2 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Sizes in descriptions                                                                                                                                                   | H4 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick                                      |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Linings to concrete                                                                                                                                                     | H4 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Descriptions of linings to concrete, unless otherwise described, shall be deemed to include wire ties                                                                   |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Hollow walls etc                                                                                                                                                        | H4 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Descriptions of hollow walls shall be deemed to include wire ties and leaving every fifth perpend of the bottom course of the external skin open as a weep hole         |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Reinforced brick lintels                                                                                                                                                | H4 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Lintels shall bear at least 160mm onto adjacent walling. Where such bearing cannot be obtained due to the proximity of adjacent openings the lintel shall be continuous |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Face bricks                                                                                                                                                             | H4 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Bricks shall be ordered timeously to obtain uniformity in size and colour                                                                                               |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Pointing                                                                                                                                                                | H4 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc        |    |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| SUPERSTRUCTURE                                                                                                                                                          | H2 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| 115mm facebrick in stretcher bond with 10mm flush joints; to match existing foundation to engineers design & detail                                                     | H4 |    |  |   |   |
|                                                                                                                                                                         |    |    |  |   |   |
| 115mm Walls                                                                                                                                                             | m2 | 69 |  | R | - |
|                                                                                                                                                                         |    |    |  |   |   |

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| <b>230mm facebrick in stretcher bond with 10mm flush joints; to match existing foundation to engineers design &amp; detail</b>      | <b>H4</b> |      |  |            |
| 230mm walls                                                                                                                         | m2        | 803  |  | R -        |
| Extra over for facebrick                                                                                                            | m2        | 160  |  | R -        |
| <b>Brickwork reinforcement</b>                                                                                                      | <b>H4</b> |      |  |            |
| 75mm Wide reinforcement built in horizontally                                                                                       | m         | 290  |  | R -        |
| 150mm Wide reinforcement built in horizontally                                                                                      | m         | 3171 |  | R -        |
| <b>Turning piece</b>                                                                                                                | <b>H4</b> |      |  |            |
| 230mm Wide turning piece to lintels etc                                                                                             | m         | 110  |  | R -        |
| <b>TOTAL - SECTION 2 - BILL 2 - MASONRY</b>                                                                                         |           |      |  | <b>R -</b> |
|                                                                                                                                     |           |      |  |            |
| <b>SECTION NO.2</b>                                                                                                                 | <b>H1</b> |      |  |            |
| <b>BUILDING WORK</b>                                                                                                                | <b>H1</b> |      |  |            |
| <b>BILL NO.3</b>                                                                                                                    | <b>H1</b> |      |  |            |
| <b>WATERPROOFING</b>                                                                                                                | <b>H1</b> |      |  |            |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.               |           |      |  |            |
| -----                                                                                                                               |           |      |  |            |
| <b>SUPPLEMENTARY PREAMBLES</b>                                                                                                      | <b>H2</b> |      |  |            |
| Waterproofing                                                                                                                       | <b>H4</b> |      |  |            |
| <b>DAMP-PROOFING OF WALLS AND FLOORS</b>                                                                                            | <b>H2</b> |      |  |            |
| <b>One layer of 375 micron Consol Plastic Brikgrip DPC" embossed damp proof course</b>                                              | <b>H4</b> |      |  |            |
| In walls                                                                                                                            | m2        | 116  |  | R -        |
| <b>One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</b> | <b>H4</b> |      |  |            |
| Under surface beds                                                                                                                  | m2        | 818  |  | R -        |
| Under slabs                                                                                                                         | m2        | 1286 |  | R -        |
| To bottoms of trenches                                                                                                              | m2        | 274  |  | R -        |
| <b>TOTAL - SECTION 2 - BILL NO 3 - WATERPROOFING</b>                                                                                |           |      |  | <b>R -</b> |
|                                                                                                                                     |           |      |  |            |

|                                                                                                                                                                                 |           |     |          |          |
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| <b>SECTION NO.2</b>                                                                                                                                                             | <b>H1</b> |     |          |          |
| <b>BUILDING WORK</b>                                                                                                                                                            | <b>H1</b> |     |          |          |
| <b>BILL NO.4</b>                                                                                                                                                                | <b>H1</b> |     |          |          |
| <b>ROOF COVERINGS ETC</b>                                                                                                                                                       | <b>H1</b> |     |          |          |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                           |           |     |          |          |
| -----                                                                                                                                                                           |           |     |          |          |
| <b>SUPPLEMENTARY PREAMBLES</b>                                                                                                                                                  | <b>H2</b> |     |          |          |
| General                                                                                                                                                                         | <b>H4</b> |     |          |          |
| All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched                                                                    |           |     |          |          |
| Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use                                    |           |     |          |          |
| Sizes                                                                                                                                                                           | <b>H4</b> |     |          |          |
| All items are measured net unless otherwise described                                                                                                                           |           |     |          |          |
| Flashings, trimming plates, etc.                                                                                                                                                | <b>H4</b> |     |          |          |
| Prices to include for all cutting and waste and relevant fixing material, unless otherwise described                                                                            |           |     |          |          |
| All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable                                 |           |     |          |          |
| All items are unless otherwise described measured net                                                                                                                           |           |     |          |          |
| <b>PROFILED METAL SHEETING AND ACCESSORIES</b>                                                                                                                                  | <b>H2</b> |     |          |          |
| 0.58mm Thick IBR-Profiled Zinalume or Chromadek roof sheeting, fixed to Purlins at 1.5m max centers with hexhead self-drilling screws and neoprene washers; Min. 5° Roof Pitch. |           |     |          |          |
| Roof structure                                                                                                                                                                  | m2        | 980 | R        | -        |
| <b>TOTAL - SECTION 2 - BILL 4 - ROOF COVERING</b>                                                                                                                               |           |     | <b>R</b> | <b>-</b> |
|                                                                                                                                                                                 |           |     |          |          |
| <b>SECTION NO.2</b>                                                                                                                                                             | <b>H1</b> |     |          |          |
| <b>BUILDING WORK</b>                                                                                                                                                            | <b>H1</b> |     |          |          |
| <b>BILL NO.5</b>                                                                                                                                                                | <b>H1</b> |     |          |          |
| <b>CARPENTRY AND JOINERY</b>                                                                                                                                                    | <b>H1</b> |     |          |          |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                           |           |     |          |          |

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| SUPPLEMENTARY PREAMBLES                                                                                                                                                                                                                                                                                                                               | H2 |    |  |     |
| Particle board:                                                                                                                                                                                                                                                                                                                                       | H3 |    |  |     |
| Particle board shall comply with the following specifications:                                                                                                                                                                                                                                                                                        |    |    |  |     |
| a) SABS 1300 Particle board: exterior and flooring type                                                                                                                                                                                                                                                                                               |    |    |  |     |
| b) SABS 1301 Particle board: interior type                                                                                                                                                                                                                                                                                                            |    |    |  |     |
| Joinery:                                                                                                                                                                                                                                                                                                                                              | H3 |    |  |     |
| Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc                                                                                                                                                                                                                                                              |    |    |  |     |
| Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes                                                                                                                                                                                                                                                                   |    |    |  |     |
| Fixing                                                                                                                                                                                                                                                                                                                                                | H3 |    |  |     |
| Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete                                                                                                                                                                                                                               |    |    |  |     |
| Decorative laminate finish:                                                                                                                                                                                                                                                                                                                           | H3 |    |  |     |
| Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish                                                                                                                                                                                                                            |    |    |  |     |
| EAVES, VERGES, ETC                                                                                                                                                                                                                                                                                                                                    | H2 |    |  |     |
| Everite FC77 pressed fibre-cement                                                                                                                                                                                                                                                                                                                     | H4 |    |  |     |
| DOORS, ETC                                                                                                                                                                                                                                                                                                                                            | H2 |    |  |     |
| Wrought meranti doors hung to steel frames                                                                                                                                                                                                                                                                                                            | H3 |    |  |     |
| Internal Hardwood 1626mm X 2043mm , meranti paneled double swing doors D03                                                                                                                                                                                                                                                                            | No | 2  |  | R - |
| Internal Hardwood 813mm x 2043mm Meranti Single swing door D01                                                                                                                                                                                                                                                                                        | No | 13 |  | R - |
|                                                                                                                                                                                                                                                                                                                                                       |    |    |  |     |
|                                                                                                                                                                                                                                                                                                                                                       |    |    |  |     |
| GRANITE TOP FOR BASIN                                                                                                                                                                                                                                                                                                                                 | H4 |    |  |     |
| 12mm thick non-porous, homogeneous natural minerals and pure acrylic polymer solid surfacing sheet, joined inconspicuously with matching adhesive and bonded to substrate with an approved silicone, fabricated and constructed by an approved fabricator in accordance with the drawings, all in accordance with the manufacturer's recommendations. | No | 4  |  | R - |
|                                                                                                                                                                                                                                                                                                                                                       |    |    |  |     |
| TOTAL - SECTION 2 - BILL 5 - CARPENTRY AND JOINERY                                                                                                                                                                                                                                                                                                    |    |    |  | R - |
|                                                                                                                                                                                                                                                                                                                                                       |    |    |  |     |
|                                                                                                                                                                                                                                                                                                                                                       |    |    |  |     |

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| <b>SECTION NO.2</b>                                                                                                                                                                                                             | <b>H1</b> |     |          |          |
| <b>BUILDING WORK</b>                                                                                                                                                                                                            | <b>H1</b> |     |          |          |
| <b>BILL NO.6</b>                                                                                                                                                                                                                | <b>H1</b> |     |          |          |
| <b>CEILING , ETC.</b>                                                                                                                                                                                                           | <b>H1</b> |     |          |          |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                           |           |     |          |          |
| -----                                                                                                                                                                                                                           |           |     |          |          |
| <b>SUPPLEMENTARY PREAMBLES</b>                                                                                                                                                                                                  | <b>H2</b> |     |          |          |
| Descriptions:                                                                                                                                                                                                                   | <b>H4</b> |     |          |          |
| Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete                                                                                               |           |     |          |          |
| Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere                           |           |     |          |          |
| <b>CEILING CONSTRUCTION, CORNICES, ETC.</b>                                                                                                                                                                                     | <b>H2</b> |     |          |          |
| <b>Insulation</b>                                                                                                                                                                                                               | <b>H2</b> |     |          |          |
| 100mm glass fibre insulation blanket to manufacturer's specification, laid on ceiling.                                                                                                                                          | m2        | 885 | R        | -        |
| <b>SUSPENDE CEILINGS</b>                                                                                                                                                                                                        |           |     |          |          |
| <b>Acoustic Ceiling 1200mm x 600mm lay in acoustic biologically absorbable mineral wool ceiling tiles in exposed suspension grid system, The System to be Class A and achieve a NCR of 0.90 White or other equally approved</b> | <b>H4</b> |     |          |          |
| Ceilings suspended exceeding 1m and not exceeding 2m below timber trusses or concrete soffits                                                                                                                                   | m2        | 885 | R        | -        |
| Extra over ceiling (Acoustic) for opening for 600 x 600mm Light Fittings (provisional)                                                                                                                                          | No        | 250 | R        | -        |
| Extra over ceiling for opening for 600 x 600mm airconditioning diffusers (provisional)                                                                                                                                          | No        | 250 | R        | -        |
| Extra over ceiling for rectangular bulkhead size 7500 x 1500 x 600mm deep                                                                                                                                                       | No        | 4   | R        | -        |
| <b>Shadowline cornices</b>                                                                                                                                                                                                      |           |     |          |          |
| 25 x 21 x 21 x 15mm pre-painted shadowline cornices plugged and screwed at 200mm centres                                                                                                                                        | m         | 597 | R        | -        |
| <b>TOTAL - SECTION 2 - BILL NO 6 - CEILINGS, ETC.</b>                                                                                                                                                                           |           |     | <b>R</b> | <b>-</b> |

|                                                                                                                                                                                                                                                                                                 |           |     |  |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|--|-----|
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| <b>SECTION NO.2</b>                                                                                                                                                                                                                                                                             | <b>H1</b> |     |  |     |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                            | <b>H1</b> |     |  |     |
| <b>BILL NO.7</b>                                                                                                                                                                                                                                                                                | <b>H1</b> |     |  |     |
| <b>FLOOR COVERINGS , WALL LININGS ETC.</b>                                                                                                                                                                                                                                                      | <b>H1</b> |     |  |     |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                                                                                           |           |     |  |     |
| -----                                                                                                                                                                                                                                                                                           |           |     |  |     |
| <b>VINYL FLOOR COVERINGS, WALL LININGS, ETC</b>                                                                                                                                                                                                                                                 | <b>H2</b> |     |  |     |
| <b>300 X 300 X 2,5 mm Thick thru-flash fully-flexible vinyl floor tiles fixed with acrylic adhesive to match the existing tiles.</b>                                                                                                                                                            | <b>H4</b> |     |  |     |
| On floors                                                                                                                                                                                                                                                                                       | m2        | 214 |  | R - |
| <b>TOTAL - SECTION 2 - BILL NO 7 - FLOOR COVERINGS, WALL LININGS ETC.</b>                                                                                                                                                                                                                       |           |     |  | R - |
|                                                                                                                                                                                                                                                                                                 |           |     |  |     |
|                                                                                                                                                                                                                                                                                                 |           |     |  |     |
| <b>SECTION NO.2</b>                                                                                                                                                                                                                                                                             | <b>H1</b> |     |  |     |
| <b>BUILDING WORKS</b>                                                                                                                                                                                                                                                                           | <b>H1</b> |     |  |     |
| <b>BILL NO.8</b>                                                                                                                                                                                                                                                                                | <b>H1</b> |     |  |     |
| <b>TILING</b>                                                                                                                                                                                                                                                                                   | <b>H1</b> |     |  |     |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                                                                                           |           |     |  |     |
| -----                                                                                                                                                                                                                                                                                           |           |     |  |     |
| <b>SUPPLEMENTARY PREAMBLES</b>                                                                                                                                                                                                                                                                  | <b>H2</b> |     |  |     |
| <b>Descriptions</b>                                                                                                                                                                                                                                                                             | <b>H4</b> |     |  |     |
| Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding |           |     |  |     |
| <b>WALL TILING</b>                                                                                                                                                                                                                                                                              | <b>H2</b> |     |  |     |
| <b>Marbled look polished porcelain tile, size 300 x 600 fixed to internal wall plaster backing with TAL tile adhesive with joints continuous in both directions and grouted with tile grout, excess grout on the surface to be cleaned with water as work proceeds</b>                          | <b>H4</b> |     |  |     |
| On walls                                                                                                                                                                                                                                                                                        | m2        | 165 |  | R - |
| On narrow widths                                                                                                                                                                                                                                                                                | m2        | 25  |  | R - |

|                                                                                                                                                                                                                                                                 |           |     |  |            |
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| Porcelain tiles (lappatto in medium grey), size 600 x 600mm, fixed to internal floor screed with tile adhesive mixed with bonding agent in lieu of water with joints continuous in both directions and grouted with tile grout, excess grout on the surface to  | H4        |     |  |            |
| Porcelain Floor Tiles                                                                                                                                                                                                                                           | m2        | 418 |  | R -        |
| Skirting                                                                                                                                                                                                                                                        | H4        |     |  |            |
| Porcelain tiles (to match floor tile), size 600 x 600mm cut to 10mm height, fixed to wall with tile adhesive and grouted with tile grout, excess grout on the surface to be cleaned with water as work proceeds. Trim: 12mm Aluminium tile trim fixed to substr | m         | 597 |  | R -        |
| <b>TOTAL - SECTION 2 - BILL NO.8 - TILING</b>                                                                                                                                                                                                                   |           |     |  | <b>R -</b> |
|                                                                                                                                                                                                                                                                 |           |     |  |            |
| <b>SECTION NO.2</b>                                                                                                                                                                                                                                             | <b>H1</b> |     |  |            |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                            | <b>H1</b> |     |  |            |
| <b>BILL NO.9</b>                                                                                                                                                                                                                                                | <b>H1</b> |     |  |            |
| <b>IRONMONGERY</b>                                                                                                                                                                                                                                              | <b>H1</b> |     |  |            |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                                                           |           |     |  |            |
| -----                                                                                                                                                                                                                                                           |           |     |  |            |
| <b>SUPPLEMENTARY PREAMBLES</b>                                                                                                                                                                                                                                  | <b>H2</b> |     |  |            |
| Descriptions                                                                                                                                                                                                                                                    | <b>H4</b> |     |  |            |
| Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs                                                                                                                                                               |           |     |  |            |
| Finishes to ironmongery                                                                                                                                                                                                                                         | <b>H4</b> |     |  |            |
| Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:                                                                                                                                                       |           |     |  |            |
| BS Satin bronze lacquered CH Chromium plated                                                                                                                                                                                                                    |           |     |  |            |
| SC Satin chromium plated                                                                                                                                                                                                                                        |           |     |  |            |
| SE Silver enamelled                                                                                                                                                                                                                                             |           |     |  |            |
| GE Grey enamelled                                                                                                                                                                                                                                               |           |     |  |            |
| AS Anodised silver                                                                                                                                                                                                                                              |           |     |  |            |
| AB Anodised bronze                                                                                                                                                                                                                                              |           |     |  |            |
| AG Anodised gold                                                                                                                                                                                                                                                |           |     |  |            |
| ABL Anodised black                                                                                                                                                                                                                                              |           |     |  |            |
| PB Polished brass                                                                                                                                                                                                                                               |           |     |  |            |
| PL Polished and lacquered                                                                                                                                                                                                                                       |           |     |  |            |

|                                                                                                                                                                  |           |   |  |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|--|-----|
| PT Epoxy coated                                                                                                                                                  |           |   |  |     |
| SD Sanded                                                                                                                                                        |           |   |  |     |
| <b>PINNING BOARDS, WRITING BOARDS, PROJECTION<br/>SCREENS, ETC</b>                                                                                               | <b>H2</b> |   |  |     |
| <b>100% PFX Stain Shield Staple Fibre with Meranti Frame all<br/>around</b>                                                                                      | <b>H4</b> |   |  |     |
| Pinning boards 7000 x 2000mm high fixed to brickwork                                                                                                             | No        | 4 |  | R - |
| <b>LETTERS, NAMEPLATES, ETC</b>                                                                                                                                  | <b>H2</b> |   |  |     |
| <b>"Union"</b>                                                                                                                                                   | <b>H3</b> |   |  |     |
| "Dining Hall" engraved grade 304 Stainless Steel sign, size 2000 x 350 x 500mm with counter-sunk fixing holes plugged and screwed with aluminium screws.         | No        | 1 |  | R - |
| "Female" engraved grade 304 Stainless Steel sign, size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws.               | No        | 2 |  | R - |
| "Male" engraved grade 304 Stainless Steel sign, size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                 | No        | 2 |  | R - |
| "Paraplegic" engraved grade 304 Stainless Steel sign, size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws.           | No        | 2 |  | R - |
| "Toilets" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.              | No        | 3 |  | R - |
| "No Smoking" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.           | No        | 6 |  | R - |
| "Fire Cabinet" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.         | No        | 2 |  | R - |
| "Staff Dining" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.         | No        | 1 |  | R - |
| "Kitchen" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.              | No        | 2 |  | R - |
| "No open" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.              | No        | 1 |  | R - |
| "No authorised person" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws. | No        | 1 |  | R - |
| "No littering" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.         | No        | 4 |  | R - |

|                                                                                                                                                                                                                      |           |    |  |   |   |
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| "Dry Store" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                                | No        | 2  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "Grocery Store" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                            | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "Office" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                                   | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "Data Cabinet" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                             | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "Bulk Stores" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                              | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "Weighing Bay" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                             | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "Freezer" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                                  | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "Cold Room" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                                | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "General Cold Room" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                        | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| "Entertainment Area" engraved grade 304 Stainless Steel sign, size 150 x 150 x 200mm with counter-sunk fixing holes plugged and screwed with aluminium screws.                                                       | No        | 1  |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| <b>LOCKS AND HANDLES</b>                                                                                                                                                                                             | <b>H3</b> |    |  |   |   |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| <b>Handles and hinges</b>                                                                                                                                                                                            | <b>H4</b> |    |  |   |   |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| Handle on 150 x 45mm pressed backplate with Anodised Silver finish including Euro Profile cylinder upright lock case and 66mm Euro Profile double cylinder. Two ball bearing butt hinge with Stainless Steel finish. | No        | 23 |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| Handle on 152 x 76mm backplate with Anodised Silver finish including mortice latch. Two ball bearing butt hinge with Stainless Steel finish.<br><b>(Ablutions internal doors).</b>                                   | No        | 20 |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| <b>Doorstop</b>                                                                                                                                                                                                      | <b>H4</b> |    |  |   |   |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| Aluminium doorstop with Anodised Silver finish                                                                                                                                                                       | No        | 23 |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| <b>Door closer</b>                                                                                                                                                                                                   | <b>H4</b> |    |  |   |   |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| Medium duty cam action overhead door closer with slide channel and hold open and necessary mounting brackets, etc.                                                                                                   | No        | 18 |  | R | - |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| <b>Indicator bolts</b>                                                                                                                                                                                               | <b>H4</b> |    |  |   |   |
|                                                                                                                                                                                                                      |           |    |  |   |   |
| Aluminium indicator bolts with Anodised Silver finish.                                                                                                                                                               | No        | 20 |  | R | - |

|                                                                                                                                                                                                                                                          |    |    |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|---|---|
| Indicator bolts (Paraplegic)                                                                                                                                                                                                                             | H4 |    |   |   |
| Aluminium helping hand disabled facility indicator bolt with Anodised Silver finish.                                                                                                                                                                     | No | 2  | R | - |
| <b>TOTAL - SECTION 2 - BILL 9 - IRONMONGERY</b>                                                                                                                                                                                                          |    |    | R | - |
| <b>SECTION NO.2</b>                                                                                                                                                                                                                                      | H1 |    |   |   |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                     | H1 |    |   |   |
| <b>BILL NO.10</b>                                                                                                                                                                                                                                        | H1 |    |   |   |
| <b>STRUCTURAL STEELWORK</b>                                                                                                                                                                                                                              |    |    |   |   |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                                                    |    |    |   |   |
| -----                                                                                                                                                                                                                                                    |    |    |   |   |
| <b>STEELWORK</b>                                                                                                                                                                                                                                         | H2 |    |   |   |
| <b>STRUCTURAL STEELWORK</b>                                                                                                                                                                                                                              | H4 |    |   |   |
| Supply of steelwork Grade 300WA to SANS 1431, detailing, fabrication, delivery to site, offloading and erection of cleats, base and end plates, stiffeners, gussets, packers, shims, washers and the like, of welded and bolted sections, hot dipped ga. | H4 |    |   |   |
| Columns, including channels, angles and the like detailing 254 x 254 bottom welded to 350 x 350 base plate bolted and chemically anchored to concrete base with complete 4 x M24 (250 Long) bolts.                                                       | H4 |    |   |   |
| Columns                                                                                                                                                                                                                                                  | t  | 14 | R | - |
| Beams, including channels, angles and the like detailing IPE 180 x 180 bolted and chemically welded to 254 x 254 columns                                                                                                                                 | H4 |    |   |   |
| Beams                                                                                                                                                                                                                                                    | t  | 1  | R | - |
| Rafters, including channels, angles and the like detailing IPE 180 x 180 bolted and chemically welded to 254 x 254 columns                                                                                                                               | H4 |    |   |   |
| Rafters                                                                                                                                                                                                                                                  | t  | 1  | R | - |
| Crawl beams: including channels, angles and the like detailing IPE 180 x 180 bolted and chemically welded to 254 x 254 columns                                                                                                                           | H4 |    |   |   |
| Crawl beams                                                                                                                                                                                                                                              | t  | 1  | R | - |
| Plate girders in beams, columns, rafters,crawl beams including channels, angles and the like detailing                                                                                                                                                   | H4 |    |   |   |
| Plate girders                                                                                                                                                                                                                                            | t  | 1  | R | - |
| <b>TOTAL - SECTION 2 - BILL 10 - STRUCTURAL STEELWORK</b>                                                                                                                                                                                                |    |    | R | - |
| <b>SECTION NO.2</b>                                                                                                                                                                                                                                      | H1 |    |   |   |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                     | H1 |    |   |   |

|                                                                                                                                                                                                           |           |    |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----|---|---|
| <b>BILL NO. 11</b>                                                                                                                                                                                        | <b>H1</b> |    |   |   |
| <b>METALWORK</b>                                                                                                                                                                                          | <b>H1</b> |    |   |   |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                     |           |    |   |   |
| -----                                                                                                                                                                                                     |           |    |   |   |
| Descriptions                                                                                                                                                                                              | <b>H4</b> |    |   |   |
| Descriptions of bolts shall be deemed to include nuts and washers                                                                                                                                         |           |    |   |   |
| Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete                                                 |           |    |   |   |
| Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described                                                                                                |           |    |   |   |
| Drawings                                                                                                                                                                                                  | <b>H4</b> |    |   |   |
| Tenderers are referred to architect's drawings annexed to this document for full details of the windows, doors, etc                                                                                       |           |    |   |   |
| <b>MILD STEEL BALUSTRADE</b>                                                                                                                                                                              | <b>H2</b> |    |   |   |
| <b>50x1100mm thick stainless steel balustrade complete with sections</b>                                                                                                                                  | <b>H4</b> |    |   |   |
| 50x1100mm thick steel sections                                                                                                                                                                            | m         | 15 | R | - |
| <b>ROLLER SHUTTER DOOR</b>                                                                                                                                                                                | <b>H4</b> |    |   |   |
| Steel roller shutter door size 2400x2400mm High                                                                                                                                                           | No        | 1  | R | - |
| <b>STEEL DOOR FRAMES</b>                                                                                                                                                                                  |           |    |   |   |
| 813mm x 2043mm steel door frame                                                                                                                                                                           | No        | 12 | R | - |
| 1626mm x 2043mm steel door frame                                                                                                                                                                          | No        | 3  | R | - |
| <b>ALUMINIUM DOORS, WINDOWS ETC.</b>                                                                                                                                                                      | <b>H2</b> |    |   |   |
| <b>Interpon Powercoated heavy duty aluminium frame system comprising of 5mm Monolithic Annealed frosted glass glazing plugged to partitions, all in accordance with SANS 10400 and AAAMSA regulations</b> | <b>H3</b> |    |   |   |
| 600 x 600mm aluminium top hung window                                                                                                                                                                     | No        | 12 | R | - |
| 1200 x 750mm aluminium top-hung window                                                                                                                                                                    | No        | 1  | R | - |
| 1200 x 750mm aluminium top-hung window                                                                                                                                                                    | No        | 1  | R | - |
| 2500 x 750mm aluminium top-hung window                                                                                                                                                                    | No        | 5  | R | - |
| 3000 x 1100mm aluminium top-hung window                                                                                                                                                                   | No        | 9  | R | - |
| 900 x 2100mm aluminium Single door                                                                                                                                                                        | No        | 14 | R | - |
| 1650 x 2100mm aluminium double door                                                                                                                                                                       | No        | 5  | R | - |
| <b>ALUMINIUM SHOPFRONTS</b>                                                                                                                                                                               | <b>H2</b> |    |   |   |

|                                                                                                                                                               |           |      |  |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|--|------------|
| <b>Frames are to be powder coated aluminium sections, constructed and installed according to the manufacturers specification</b>                              | <b>H3</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| Aluminium Shopfront 1000 x 2465mm high consisting of head and bottom rails and two mullions and glazed with 6,76mm HPR Solarvue Neutral Hi-Low panels (SF 02) | No.       | 3    |  | R -        |
|                                                                                                                                                               |           |      |  |            |
| Aluminium Shopfront 1000 x 3485mm high consisting of head and bottom rails and two mullions and glazed with 6,38mm clear laminated safety glazing (SF 04)     | No.       | 5    |  | R -        |
|                                                                                                                                                               |           |      |  |            |
| Aluminium Shopfront 3000 x 3485mm high consisting of head and bottom rails and two mullions and glazed with 6,38mm clear laminated safety glazing             | No.       | 6    |  | R -        |
|                                                                                                                                                               |           |      |  |            |
| <b>TOTAL - SECTION 2 - BILL 11 - METALWORK</b>                                                                                                                |           |      |  | <b>R -</b> |
|                                                                                                                                                               |           |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>SECTION NO.2</b>                                                                                                                                           | <b>H1</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>BUILDING WORK</b>                                                                                                                                          | <b>H1</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>BILL NO. 12</b>                                                                                                                                            | <b>H1</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>PLASTERING</b>                                                                                                                                             | <b>H1</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                         |           |      |  |            |
|                                                                                                                                                               |           |      |  |            |
|                                                                                                                                                               |           |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>INTERNAL PLASTER</b>                                                                                                                                       | <b>H2</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>Cement plaster on brickwork</b>                                                                                                                            | <b>H4</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| On walls                                                                                                                                                      | m2        | 1337 |  | R -        |
|                                                                                                                                                               |           |      |  |            |
| On narrow widths                                                                                                                                              | m2        | 67   |  | R -        |
|                                                                                                                                                               |           |      |  |            |
| <b>EXTERNAL PLASTER</b>                                                                                                                                       | <b>H2</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>Cement plaster on brickwork</b>                                                                                                                            | <b>H4</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| Window bands                                                                                                                                                  | m2        | 267  |  | R -        |
|                                                                                                                                                               |           |      |  |            |
| <b>TOTAL - SECTION 2 - BILL 12 - PLASTERING</b>                                                                                                               |           |      |  | <b>R -</b> |
|                                                                                                                                                               |           |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>SECTION NO. 2</b>                                                                                                                                          | <b>H1</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>BUILDING WORK</b>                                                                                                                                          | <b>H1</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>BILL NO.13</b>                                                                                                                                             | <b>H1</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| <b>PLUMBING AND DRAINAGE</b>                                                                                                                                  | <b>H1</b> |      |  |            |
|                                                                                                                                                               |           |      |  |            |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                         |           |      |  |            |
|                                                                                                                                                               |           |      |  |            |

|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|--|--|
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| -----                                                                                                                                                                                                                                                                                                                           |    |  |  |  |
| SUPPLEMENTARY PREAMBLES                                                                                                                                                                                                                                                                                                         | H2 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| "Polycop" polypropylene pipes:                                                                                                                                                                                                                                                                                                  | H3 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Polypropylene pipes 54mm diameter and under shall be<br>seamless copper coloured class 16 pipes jointed with<br>"Fast-fuse" heat welded thermoplastic or brass compression<br>fittings as designed for use with copper pipes as stated                                                                                          |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Pipes shall be firmly fixed to walls etc with coloured nylon<br>snap-in pipe clips with provision for accommodating thermal<br>movement and jointed and fixed strictly in accordance with the<br>manufacturer's instructions                                                                                                    |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| All pipe diameters are nominal external                                                                                                                                                                                                                                                                                         |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| "Polylink" polypropylene pipes:                                                                                                                                                                                                                                                                                                 | H3 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Polypropylene pipes 63mm diameter and over shall be class 12<br>pipes jointed with cast iron "Supraclamp" running joints                                                                                                                                                                                                        |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Fusion welded bends, once or twice mitred as necessary, and<br>tees shall be factory manufactured                                                                                                                                                                                                                               |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Fusion welded bends and tees shall include jointing to pipes<br>with PVC rubber ring double Z joint couplers                                                                                                                                                                                                                    |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Branch tees shall include flanged and bolted joints to "Polycop"<br>branch pipes in addition and for brass compression male iron to<br>copper straight couplers                                                                                                                                                                 |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Reducers shall include jointing to pipes with PVC rubber ring<br>double Z joint couplers and reducers shall be of sufficient<br>overall length to accommodate same                                                                                                                                                              |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| All pipes shall be jointed and fixed strictly in accordance with<br>the manufacturer's instructions                                                                                                                                                                                                                             |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| All pipe diameters are nominal external                                                                                                                                                                                                                                                                                         |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Concrete pipes:                                                                                                                                                                                                                                                                                                                 | H3 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Pipes shall be jointed with ogee joints with rubber collars or<br>socket and spigot joints with rubber rings                                                                                                                                                                                                                    |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Vitrified clay pipes:                                                                                                                                                                                                                                                                                                           | H3 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Pipes shall rest on solid ground and, where necessary, pockets<br>of sufficient size shall be cut around joints to enable the jointing<br>to be properly performed or, alternatively, pipes shall be bedded<br>full length on and including unreinforced concrete laid in a<br>semi-dry state immediately before pipes are laid |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Sewer and drainage pipes and fittings shall be jointed and<br>sealed with butyl rubber rings                                                                                                                                                                                                                                    |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| uPVC pipes and fittings:                                                                                                                                                                                                                                                                                                        | H3 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |
| Soil, waste and vent pipes and fittings shall be solvent weld<br>jointed                                                                                                                                                                                                                                                        |    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                 |    |  |  |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |  |  |  |
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| uPVC pressure pipes and fittings:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H3 |  |  |  |
| Pipes for water supply shall be of the class stated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |  |  |  |
| Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |  |  |  |
| Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints                                                                                                                                                                                                                                                                                                                                     |    |  |  |  |
| Copper pipes:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H3 |  |  |  |
| Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground |    |  |  |  |
| Fixing of pipes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | H3 |  |  |  |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | H3 |  |  |  |
| All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |  |  |  |
| Reducing fittings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H3 |  |  |  |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H3 |  |  |  |
| Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |  |  |  |
| Septic tanks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | H3 |  |  |  |
| Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions                                                                                                                                                                                                                                                                                                                                |    |  |  |  |
| Exposed concrete surfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | H3 |  |  |  |
| Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished                                                                                                                                                                                                                                                                                                                                                                         |    |  |  |  |

|                                                                                                                                                         |    |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|--|--|
| smooth with plaster                                                                                                                                     |    |  |  |  |
| Excavations                                                                                                                                             | H3 |  |  |  |
| 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                                                                                                             | H3 |  |  |  |
| Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions                                |    |  |  |  |
| Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:                         |    |  |  |  |
| SABS 1200 L : Medium-pressure pipelines                                                                                                                 |    |  |  |  |
| LD : Sewers                                                                                                                                             |    |  |  |  |
| LE : Stormwater drainage                                                                                                                                |    |  |  |  |
| Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200                                                    |    |  |  |  |
| DB : 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 1200                                                            |    |  |  |  |
| LB : Bedding (Pipes).                                                                                                                                   |    |  |  |  |
| Unless otherwise described bedding of rigid pipes shall be class B bedding                                                                              |    |  |  |  |
| Flush pans                                                                                                                                              | H3 |  |  |  |
| Flush pans shall have straight or side outlets and "P" or "S" traps as necessary                                                                        |    |  |  |  |
| Stainless steelbasins, sinks, wash troughs, urinals, etc.                                                                                               | H3 |  |  |  |
| Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable                                                    |    |  |  |  |
| Waste unions                                                                                                                                            | H3 |  |  |  |
| Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings                                          |    |  |  |  |
| Steel sectional water tanks                                                                                                                             | H3 |  |  |  |
| Tanks shall comply with SABS CKS 114                                                                                                                    |    |  |  |  |
| "Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.                                                                          | H3 |  |  |  |
| 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                                                                                                                                             |           |    |   |   |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| <b>SANITARY FIITINGS</b>                                                                                                                                                                                                                                          | <b>H2</b> |    |   |   |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Low level pan colour white, 100mm outlet with cistern connected to 15mm water supply with foot of bowl sealed to floor with acetoxysilicon sealant. Flush valve to be 20mm BSP, exposed, lever operated, chrome toilet flushing valve with back entry flush pipe. | No        | 12 | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| 60cm urinal colour white, with back or top inlet and waste outlet including wall mounting brackets and connected to water supply, sealed with silicon sealant where urinal meets the wall.                                                                        | No        | 7  | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| 1. 12mm compact high pressure laminate urinal screen colour Pastel Grey, overall size 450 x 750mm fixed to wall with 304 grade stainless steel brackets.                                                                                                          | No        | 6  | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Electric hand dryer, colour white. Power 550W, 20 000RPM. Drying time - 5 to 10 seconds                                                                                                                                                                           | No        | 10 | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Kimberly clark lockable wall mounted soap dispenser. Dimensions: 290 (H) x 100(W) x 100(D)                                                                                                                                                                        | No        | 10 | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Deck mounted basin pillar tap, overall size 15mm length x 94mm height, installed in accordance with the manufacturer's recommendations.                                                                                                                           | No        | 16 | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Dog Leg grab rail colour Silver fixed to walls with fixation bolts.                                                                                                                                                                                               | No        | 2  | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| White 2-roll toilet roll holder, overall size 130 x 130 x 260mm plugged and screw to wall with stainless steel screws.                                                                                                                                            | No        | 6  | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| 50cm basin with semi pedestal colour White, fixed with stainless steel screws and washers to plugs in wall and sealed with acetoxysilicone sealant where basin meets wall.                                                                                        | No        | 6  | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Washbowl colour White, overall size 475 x 475 x 120mm, fixed to countertop and sealed with acetoxysilicone sealant where basin rim meets countertop, installation kit included.                                                                                   | No        | 6  | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Deck mounted basin mixer, overall size 136.93 x 43.38 x 123.74mm, installed in accordance with the manufacturer's recommendations.                                                                                                                                | No        | 6  | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Kimberly clark paper towel dispenser. Lockable unit fitted with tumbler locking system. Dimensions: 369(H) x 280(W) x 120(D).                                                                                                                                     | No        | 6  | R | - |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Vaal Pear Paraplegic semi close couple 90" outlet open with rim washdown pan and matching                                                                                                                                                                         | No        | 2  | R | - |
| 9 litre cistern complete with lid. Fitments and purpose made c.p. side flush lever (left or right)                                                                                                                                                                |           |    |   |   |
| Supplied with purpose made urea seat and cover plate.                                                                                                                                                                                                             |           |    |   |   |
|                                                                                                                                                                                                                                                                   |           |    |   |   |
| Railman grab rails (Ref:SR2) and dogleg rail with 2 flanges( Ref:DL2).                                                                                                                                                                                            |           |    |   |   |
| All grab bars shall be constructed of 304 high quality stainless steel or other suitable non-corrosive                                                                                                                                                            | No        | 2  | R | - |
| metal tube with an outside diameter of 32mm, that can be easily cleaned . the correct back grab                                                                                                                                                                   |           |    |   |   |
| bar must be selected for the external cisterns, flush valve system or under wall cisterns.                                                                                                                                                                        |           |    |   |   |
| the back and side grab-rail may be an integral unit. the cranked grab bar must be installed in the                                                                                                                                                                |           |    |   |   |
| correct orientation as shown on the respectable elevation. grab bars must be fixed to the wall                                                                                                                                                                    |           |    |   |   |

|                                                                                                                                                                                                               |           |    |   |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----|---|---|
| such that they can support a vertical force of 1kilo newton at any point on the grab bar.                                                                                                                     |           |    |   |   |
| Isolating ball valves - 1/2 inch fullway isolating ball valve suitable for hot and cold water (code 1090-15) cobra or equal for basin isolation                                                               | No        | 12 | R | - |
| Isolating ball valves - 1/2 inch fullway isolating ball valve suitable for urinal and wc isolation (code 1090-20) cobra or equal positioned in plumbing duct                                                  | No        | 12 | R | - |
| Rolled hand towel dispenser colour white overall size 236 x 430 x 241mm high                                                                                                                                  | No        | 6  | R | - |
| Raised paraplegic CC WC with side lever and grab rails combo colour White 100mm outlet with cistern connected to 15mm water supply with foot of bowl sealed to floor with acetoxysilicone sealant.            | No        | 2  | R | - |
| 50cm Medical basin with brackets colour white fixed with stainless steel screws and washers to plugs in wall with optional concealed wall brackets sealed with acetoxysilicone sealant where basin meets wall | No        | 1  | R | - |
| Chrome finish Medical pillar tap with blue/red indices deck mounted basin mixer, overall size 63mm(L) x 41mm(W) x 79mm(H)                                                                                     | No        | 1  | R | - |
| Elbow operated soap dispenser frame. High-grade stainless-steel satin finish. Dimensions 295mm (L) x 70mm (W) x 290mm (H).                                                                                    | No        | 1  | R | - |
| Sanitary bin, 12L pedal-operated. Dimensions: 46.3 (L) x 14 (W) x 48cm (D)                                                                                                                                    | No        | 8  | R | - |
| <b>FIRE AND DOMESTIC WATER</b>                                                                                                                                                                                | <b>H2</b> |    |   |   |
| 50 mm $\frac{1}{2}$ piping                                                                                                                                                                                    | m         | 55 | R | - |
| 40 mm $\frac{1}{2}$ piping                                                                                                                                                                                    | m         | 6  | R | - |
| 28 mm $\frac{1}{2}$ piping                                                                                                                                                                                    | m         | 24 | R | - |
| 25 mm $\frac{1}{2}$ piping                                                                                                                                                                                    | m         | 4  | R | - |
| 20 mm $\frac{1}{2}$ piping                                                                                                                                                                                    | m         | 13 | R | - |
| 15 mm $\frac{1}{2}$ piping                                                                                                                                                                                    | m         | 99 | R | - |
| <b>Extra over for fittings</b>                                                                                                                                                                                | <b>H4</b> |    |   |   |
| 50 mm $\frac{1}{2}$ 90° bends                                                                                                                                                                                 | No        | 6  | R | - |
| 50 mm $\frac{1}{2}$ 45° bends                                                                                                                                                                                 | No        | 2  | R | - |
| 50 X 50 X 50 pipe tee                                                                                                                                                                                         | No        | 1  | R | - |
| 50 - 40 reducer                                                                                                                                                                                               | No        | 1  | R | - |
| 40 X 40 X 28 pipe tee                                                                                                                                                                                         | No        | 1  | R | - |
| 40 - 28 reducer                                                                                                                                                                                               | No        | 1  | R | - |
| 32 - 25 reducer                                                                                                                                                                                               | No        | 1  | R | - |
| 25 - 20 reducer                                                                                                                                                                                               | No        | 4  | R | - |

|                                                                                                                                                                                          |           |    |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----|---|---|
| 20 - 15 reducer                                                                                                                                                                          | No        | 4  | R | - |
| 54 mm $\neq$ standard clevis pipe hangar c/w gasket ring to prevent copper contact with galvanized unit to come c/w double lock nut, hilti chemical anchor/ G-Clamp and 8mm threaded bar | No        | 20 | R | - |
| 32 mm $\neq$ standard clevis pipe hangar c/w gasket ring to prevent copper contact with galvanized unit to come c/w double lock nut, hilti chemical anchor/ G-Clamp and 8mm threaded bar | No        | 3  | R | - |
| 28 mm $\neq$ standard clevis pipe hangar c/w gasket ring to prevent copper contact with galvanized unit to come c/w double lock nut, hilti chemical anchor/ G-Clamp and 8mm threaded bar | No        | 8  | R | - |
| 22 mm $\neq$ standard clevis pipe hangar c/w gasket ring to prevent copper contact with galvanized unit to come c/w double lock nut, hilti chemical anchor/ G-Clamp and 8mm threaded bar | No        | 8  | R | - |
| 15 mm $\neq$ standard clevis pipe hangar c/w gasket ring to prevent copper contact with galvanized unit to come c/w double lock nut, hilti chemical anchor/ G-Clamp and 8mm threaded bar | No        | 32 | R | - |
| 9kg DPC fire extinguisher by first aider                                                                                                                                                 | No        | 20 | R | - |
| Fire hose reel fixed type (Nylon Nozzle)                                                                                                                                                 | No        | 12 | R | - |
| <b>SEWER SYSTEM</b>                                                                                                                                                                      | <b>H2</b> |    |   |   |
| <b>Main Sewer Line - underground</b>                                                                                                                                                     | <b>H3</b> |    |   |   |
| <b>Pipe to be UPVC Class 34 (Marley or equal)</b>                                                                                                                                        | <b>H4</b> |    |   |   |
| <b>Pipe to be bedded in accordance with SANS 1200LB and SANS 1200 LD</b>                                                                                                                 | <b>H4</b> |    |   |   |
| 110 mm $\neq$ piping                                                                                                                                                                     | m         | 33 | R | - |
| 50 mm $\neq$ piping                                                                                                                                                                      | m         | 17 | R | - |
| <b>Extra Over for Fittings</b>                                                                                                                                                           | <b>H4</b> |    |   |   |
| 110 mm $\neq$ 45° bends                                                                                                                                                                  | No        | 2  | R | - |
| 110 mm $\neq$ Y-Junction UYAR42 Ribbed L/S Junction                                                                                                                                      | No        | 7  | R | - |
| 110 mm $\neq$ 22,5° bends                                                                                                                                                                | No        | 4  | R | - |
| 110 mm $\neq$ UAP43 Rodding Eye c/w thrust block                                                                                                                                         | No        | 4  | R | - |
| Thrust Blocks 0,3 X 0,3 X 0,3 m in concrete for pipe direction changes and rodding                                                                                                       | No        | 6  | R | - |
| Excavation trenches 1m wide X 2,2m deep average (Rate to include for fill and compact in line with SABS 1200 LB                                                                          | No        | 25 | R | - |
| Brick Manholes constructed in line with SABS 1200LB and SABS 1200 LD c/w step irons, benched to detail, manhole covers and concrete covers                                               | No        | 4  | R | - |
| <b>Main Sewer Line - above ground</b>                                                                                                                                                    | <b>H4</b> |    |   |   |
| <b>Pipe to be UPVC Class 9 in accordance with SANS 10252 Part</b>                                                                                                                        | <b>H4</b> |    |   |   |
| 110 mm $\neq$ piping                                                                                                                                                                     | m         | 22 | R | - |

|                                                                                                                                 |           |     |   |   |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|-----|---|---|
| 50 mm $\pm$ piping                                                                                                              | m         | 35  | R | - |
| <b>Extra Over for Fittings</b>                                                                                                  | <b>H4</b> |     |   |   |
| 110 mm $\pm$ 45° bends                                                                                                          | No        | 2   | R | - |
| 110 mm $\pm$ Y-Junction R/S with I.E                                                                                            | No        | 6   | R | - |
| 110 mm $\pm$ 22,5° bends                                                                                                        | No        | 4   | R | - |
| 110 mm $\pm$ I.E on Line                                                                                                        | No        | 6   | R | - |
| 110 mm $\pm$ Pipe Hangars c/w threaded bar and double lock-nut                                                                  | No        | 20  | R | - |
| 50 mm $\pm$ Pipe Hangars c/w threaded bar and double lock-nut                                                                   | No        | 15  | R | - |
| <b>Extra Over for Fittings</b>                                                                                                  | <b>H4</b> |     |   |   |
| 50 mm $\pm$ 45° bends                                                                                                           | No        | 4   | R | - |
| 50 mm $\pm$ Y-Junction                                                                                                          | No        | 4   | R | - |
| 50 mm $\pm$ glued joint socket                                                                                                  | No        | 12  | R | - |
| 50 mm $\pm$ 90° bends Incl. I.E                                                                                                 | No        | 6   | R | - |
| 110 mm $\pm$ one-way vent valve                                                                                                 | No        | 4   | R | - |
| 50 mm $\pm$ - 110 mm $\pm$ transformer                                                                                          | No        | 6   | R | - |
| 110 mm $\pm$ Kimberley Socket tranformation from internal to external piping                                                    | No        | 6   | R | - |
| 50 mm $\pm$ Back vent to main stack                                                                                             | No        | 24  | R | - |
| 110 mm $\pm$ I.E on Line                                                                                                        | No        | 4   | R | - |
| PVC Weld for underground Pipes                                                                                                  | No        | 5   | R | - |
| Two Way Vent Valve                                                                                                              | No        | 8   | R | - |
| <b>GEYSER</b>                                                                                                                   | <b>H2</b> |     |   |   |
| 200 litre geyser complete with 2kW heat pump located in refuse yard Hot Water system is for the supply of the kitchen area only | No        | 1   | R | - |
| <b>RAINWATER DISPOSAL</b>                                                                                                       | <b>H2</b> |     |   |   |
| <b>0,6mm Galvanised sheet iron with "Chromadek" finish on one side</b>                                                          | <b>H4</b> |     |   |   |
| 100 x 125mm Eaves gutters with beaded front edge                                                                                | m         | 165 | R | - |
| Extra over eaves gutter for angle                                                                                               | No        | 14  | R | - |
| Extra over eaves gutter for stopped end                                                                                         | No        | 8   | R | - |
| Extra over eaves gutter for outlet for 100mm diameter pipe                                                                      | No        | 14  | R | - |
| 100mm Diameter rainwater pipes                                                                                                  | m         | 118 | R | - |
| Extra over rainwater pipe for eaves or plinth offset 450mm projection                                                           | No        | 14  | R | - |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |      |  |          |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|--|----------|----------|
| Extra over rainwater pipe for shoe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No        | 14   |  | R        | -        |
| <b>TOTAL - SECTION 2 - BILL 13 - PLUMBING AND DRAINAGE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |      |  | <b>R</b> | <b>-</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |      |  |          |          |
| <b>SECTION NO.2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>H1</b> |      |  |          |          |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>H1</b> |      |  |          |          |
| <b>BILL NO. 14</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>H1</b> |      |  |          |          |
| <b>GLAZING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>H1</b> |      |  |          |          |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                                                                                                                                                                                                                                                                                                                     |           |      |  |          |          |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |      |  |          |          |
| <b>GLASS IN TOPS, SHELVES, DOORS, MIRRORS, ETC.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>H3</b> |      |  |          |          |
| <u>5mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>                                                                                                                                                                                                                                                                                                                        | <b>H4</b> |      |  |          |          |
| 6mm glass float mirror with recessed/hidden support frame fixed to manufacturer's specification                                                                                                                                                                                                                                                                                                                                                                                                                           | No        | 12   |  | R        | -        |
| <b>TOTAL - SECTION 2 - BILL 14 - GLAZING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |      |  | <b>R</b> | <b>-</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |      |  |          |          |
| <b>SECTION NO.2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>H1</b> |      |  |          |          |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>H1</b> |      |  |          |          |
| <b>BILL NO. 15</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>H1</b> |      |  |          |          |
| <b>PAINTWORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>H1</b> |      |  |          |          |
| For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.                                                                                                                                                                                                                                                                                                                                                                                                     |           |      |  |          |          |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |      |  |          |          |
| <b>PAINTWORK ETC TO NEW WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>H2</b> |      |  |          |          |
| <b>ON FLOATED PLASTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>H2</b> |      |  |          |          |
| Plascon Velvaglo Satin to interior new cement plaster. Surface to be dry, sound, and clean and cured for a minimum of 14 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Professional Plaster Primer (PP700) with an overcoating time of 16 hours and finish with two coats Velvaglo Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 10 years in a C1 - inland environment. Colour to be specified later. | <b>H4</b> |      |  |          |          |
| On plastered walls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | m2        | 1100 |  | R        | -        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|--|----------|----------|
| On window bands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | m2        | 110 |  | R        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>ON FIBRE-CEMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>H2</b> |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>Two coats professional acrylic polyvinyl acetate (PVA) to manufacturer's specification</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>H4</b> |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| On fascias and barge boards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | m2        | 32  |  | R        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>ON METAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>H2</b> |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| Plascon Plascothane Polyurethane Enamel to interior new mild steel. Surface to be clean and dry. Remove surface contaminants using Metalcare Aquasolv Degreaser (GR 1) with bristle brush or Brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to ISO 8501 - 01:1988 - Sa2½ or by hand/mechanical wire brushing to St3 of the same standard. Allow to dry completely and prime within 4 hours of cleaning. Prime with one coat Plascoguard 75 Zinc Phosphate Epoxy Primer (PEX75/PEH75) with an overcoating time of 4 hours and finish with two coats Plascothane Polyurethane Enamel (UP 1) with 30 minutes drying time between coats, for a maintenance cycle of 8 years in a C1 - inland environment. Colour to be specified later. | <b>H4</b> |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| On outside of eaves gutters and rainwater pipes before fixing not exceeding 300mm high                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | m         | 303 |  | R        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| On mild steel balustrades                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | m2        | 23  |  | R        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| Steel door frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | m2        | 20  |  | R        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>TOTAL - SECTION 2 - BILL 15 - PAINTWORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |     |  | <b>R</b> | <b>-</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>SECTION NO.3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>H1</b> |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>H1</b> |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>BILL NO. 1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>H1</b> |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>PROVISIONAL SUMS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b>COMMERCIAL KITCHEN EQUIPMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>H1</b> |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| NOTE: Tenderers are referred to the definition of general attendance on nominated sub-contractors given in Clause 9 of the Preliminaries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| <b><u>THE FOLLOWING PROVISIONAL SUMS ARE FOR WORK TO BE EXECUTED BY SELECTED SUBCONTRACTORS</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| The following Provisional Sums are for specialists work to be executed by a selected Sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a Domestic Sub-Contractor to the Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |
| A Selected Sub-Contractor shall be a Sub-contractor executing work for which a sum of money is provided for in the Bills of Quantities or a Sub-contractor executing additional specialist work which arises as a result of an instruction by the Principal Agent/Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |     |  |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |     |  |          |          |

|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|--|------------|
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| Tender documents for such work shall be prepared by the Principal Agent/Engineer in consultation with and to the approval of the Contractor and such tender document shall be issued by the Principal Agent/Engineer to a list of tenderers agreed upon between the Principal Agent/Engineer and Contractor. |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| Tenders shall be submitted to the Principal Agent/Engineer                                                                                                                                                                                                                                                   |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| The Selected Sub-contractor shall be chosen by the Principal Agent/Engineer and the Contractor, and the Contractor shall satisfy himself that such selected sub-contractor can meet the requirements of the Sub-Contract agreement and the Contractor shall inform the Principal Agent/Engineer accordingly  |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| The procedure relating to the method of selection, obtaining of tenders, adjudication thereof and the appointment of the Selected Sub-contractor shall not create any contractual relationship between the Client and the Selected Sub-contractor                                                            |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| NOTE: Under no circumstances may any Prime Cost - Provisional Amount, etc be extended at an amount lower than the amount given in the Bill                                                                                                                                                                   |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>COMMERCIAL KITCHEN EQUIPMENT</b>                                                                                                                                                                                                                                                                          |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| Allow an amount of R 1 200 000. 00 (One Million and Eight Hundred Thousand Rands) for the supply and installation of commercial kitchen equipment as per Principal Agent's instruction.                                                                                                                      | Item      | 1 |  | R -        |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>TOTAL - SECTION NO.3 - BILL NO.1 - COMMERCIAL KITCHEN EQUIPMENT</b>                                                                                                                                                                                                                                       |           |   |  | <b>R -</b> |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>SECTION NO.3</b>                                                                                                                                                                                                                                                                                          | <b>H1</b> |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                         | <b>H1</b> |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>BILL NO. 2</b>                                                                                                                                                                                                                                                                                            | <b>H1</b> |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>PROVISIONAL SUMS</b>                                                                                                                                                                                                                                                                                      |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>LANDSCAPE</b>                                                                                                                                                                                                                                                                                             | <b>H1</b> |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                                                                        |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| NOTE: Tenderers are referred to the definition of general attendance on nominated sub-contractors given in Clause 9 of the Preliminaries                                                                                                                                                                     |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b><u>THE FOLLOWING PROVISIONAL SUMS ARE FOR WORK TO BE EXECUTED BY SELECTED SUBCONTRACTORS</u></b>                                                                                                                                                                                                          |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| The following Provisional Sums are for specialists work to be executed by a selected Sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a Domestic Sub-Contractor to the Contractor                                                                            |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| A Selected Sub-Contractor shall be a Sub-contractor executing work for which a sum of money is provided for in the Bills of                                                                                                                                                                                  |           |   |  |            |

|                                                                                                                                                                                                                                                                                                              |           |   |   |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|---|---|
| Quantities or a Sub-contractor executing additional specialist work which arises as a result of an instruction by the Principal Agent/Engineer                                                                                                                                                               |           |   |   |   |
| Tender documents for such work shall be prepared by the Principal Agent/Engineer in consultation with and to the approval of the Contractor and such tender document shall be issued by the Principal Agent/Engineer to a list of tenderers agreed upon between the Principal Agent/Engineer and Contractor. |           |   |   |   |
| Tenders shall be submitted to the Principal Agent/Engineer                                                                                                                                                                                                                                                   |           |   |   |   |
| The Selected Sub-contractor shall be chosen by the Principal Agent/Engineer and the Contractor, and the Contractor shall satisfy himself that such selected sub-contractor can meet the requirements of the Sub-Contract agreement and the Contractor shall inform the Principal Agent/Engineer accordingly  |           |   |   |   |
| The procedure relating to the method of selection, obtaining of tenders, adjudication thereof and the appointment of the Selected Sub-contractor shall not create any contractual relationship between the Client and the Selected Sub-contractor                                                            |           |   |   |   |
| NOTE: Under no circumstances may any Prime Cost - Provisional Amount, etc be extended at an amount lower than the amount given in the Bill                                                                                                                                                                   |           |   |   |   |
| <b>LANDSCAPE</b>                                                                                                                                                                                                                                                                                             |           |   |   |   |
| Allow an amount of R 500 000. 00 Five Hundred Thousand Rands) for the supply and installation of landscape as per Principal Agent's instruction.                                                                                                                                                             | Item      | 1 | R | - |
| <b>TOTAL - SECTION NO.3 - BILL NO.2 - LANDSCAPE</b>                                                                                                                                                                                                                                                          |           |   | R | - |
|                                                                                                                                                                                                                                                                                                              |           |   |   |   |
| <b>SECTION NO.3</b>                                                                                                                                                                                                                                                                                          | <b>H1</b> |   |   |   |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                         | <b>H1</b> |   |   |   |
| <b>BILL NO. 3</b>                                                                                                                                                                                                                                                                                            | <b>H1</b> |   |   |   |
| <b>PROVISIONAL SUMS</b>                                                                                                                                                                                                                                                                                      |           |   |   |   |
| <b>COLD ROOMS</b>                                                                                                                                                                                                                                                                                            | <b>H1</b> |   |   |   |
| <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                                                                        |           |   |   |   |
| NOTE: Tenderers are referred to the definition of general attendance on nominated sub-contractors given in Clause 9 of the Preliminaries                                                                                                                                                                     |           |   |   |   |
| <b><u>THE FOLLOWING PROVISIONAL SUMS ARE FOR WORK TO BE EXECUTED BY SELECTED SUBCONTRACTORS</u></b>                                                                                                                                                                                                          |           |   |   |   |
| The following Provisional Sums are for specialists work to be executed by a selected Sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a Domestic Sub-Contractor to the Contractor                                                                            |           |   |   |   |

|                                                                                                                                                                                                                                                                                                              |           |   |   |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|---|---|
| A Selected Sub-Contractor shall be a Sub-contractor executing work for which a sum of money is provided for in the Bills of Quantities or a Sub-contractor executing additional specialist work which arises as a result of an instruction by the Principal Agent/Engineer                                   |           |   |   |   |
| Tender documents for such work shall be prepared by the Principal Agent/Engineer in consultation with and to the approval of the Contractor and such tender document shall be issued by the Principal Agent/Engineer to a list of tenderers agreed upon between the Principal Agent/Engineer and Contractor. |           |   |   |   |
| Tenders shall be submitted to the Principal Agent/Engineer                                                                                                                                                                                                                                                   |           |   |   |   |
| The Selected Sub-contractor shall be chosen by the Principal Agent/Engineer and the Contractor, and the Contractor shall satisfy himself that such selected sub-contractor can meet the requirements of the Sub-Contract agreement and the Contractor shall inform the Principal Agent/Engineer accordingly  |           |   |   |   |
| The procedure relating to the method of selection, obtaining of tenders, adjudication thereof and the appointment of the Selected Sub-contractor shall not create any contractual relationship between the Client and the Selected Sub-contractor                                                            |           |   |   |   |
| NOTE: Under no circumstances may any Prime Cost - Provisional Amount, etc be extended at an amount lower than the amount given in the Bill                                                                                                                                                                   |           |   |   |   |
| <b>COLD ROOMS</b>                                                                                                                                                                                                                                                                                            |           |   |   |   |
| Allow an amount of R 500 000. 00 (Five Hundred Thousand Rands) for the supply and installation of cold rooms as per Principal Agent's instruction.                                                                                                                                                           | Item      | 1 | R | - |
| <b>TOTAL - SECTION NO.3 - BILL NO.4 - COLD ROOMS</b>                                                                                                                                                                                                                                                         |           |   | R | - |
| <b>SECTION NO.3</b>                                                                                                                                                                                                                                                                                          | <b>H1</b> |   |   |   |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                         | <b>H1</b> |   |   |   |
| <b>BILL NO. 5</b>                                                                                                                                                                                                                                                                                            | <b>H1</b> |   |   |   |
| <b>PROVISIONAL SUMS</b>                                                                                                                                                                                                                                                                                      |           |   |   |   |
| <b>COLD ROOMS</b>                                                                                                                                                                                                                                                                                            | <b>H1</b> |   |   |   |
| <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                                                                        |           |   |   |   |
| NOTE: Tenderers are referred to the definition of general attendance on nominated sub-contractors given in Clause 9 of the Preliminaries                                                                                                                                                                     |           |   |   |   |
| <b><u>THE FOLLOWING PROVISIONAL SUMS ARE FOR WORK TO BE EXECUTED BY SELECTED SUBCONTRACTORS</u></b>                                                                                                                                                                                                          |           |   |   |   |
| The following Provisional Sums are for specialists work to be executed by a selected Sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a Domestic Sub-Contractor to the Contractor                                                                            |           |   |   |   |

|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|--|-----|
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| A Selected Sub-Contractor shall be a Sub-contractor executing work for which a sum of money is provided for in the Bills of Quantities or a Sub-contractor executing additional specialist work which arises as a result of an instruction by the Principal Agent/Engineer                                   |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| Tender documents for such work shall be prepared by the Principal Agent/Engineer in consultation with and to the approval of the Contractor and such tender document shall be issued by the Principal Agent/Engineer to a list of tenderers agreed upon between the Principal Agent/Engineer and Contractor. |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| Tenders shall be submitted to the Principal Agent/Engineer                                                                                                                                                                                                                                                   |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| The Selected Sub-contractor shall be chosen by the Principal Agent/Engineer and the Contractor, and the Contractor shall satisfy himself that such selected sub-contractor can meet the requirements of the Sub-Contract agreement and the Contractor shall inform the Principal Agent/Engineer accordingly  |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| The procedure relating to the method of selection, obtaining of tenders, adjudication thereof and the appointment of the Selected Sub-contractor shall not create any contractual relationship between the Client and the Selected Sub-contractor                                                            |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| NOTE: Under no circumstances may any Prime Cost - Provisional Amount, etc be extended at an amount lower than the amount given in the Bill                                                                                                                                                                   |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b>DINING HALL &amp; OUTDOOR DINING TERRACE</b>                                                                                                                                                                                                                                                              |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| Allow an amount of R 750 000. 00 (Seven Hundred And Fifty Thousand Rands) for the supply and installation of the furniture in dining hall and outdoor dining Terrace as per Principal Agent's instruction.                                                                                                   | Item      | 1 |  | R - |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b>TOTAL - SECTION NO.3 - BILL NO.5 - DINING HALL &amp; OUTDOOR DINING TERRACE</b>                                                                                                                                                                                                                           |           |   |  | R - |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b>SECTION NO.3</b>                                                                                                                                                                                                                                                                                          | <b>H1</b> |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                         | <b>H1</b> |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b>BILL NO. 6</b>                                                                                                                                                                                                                                                                                            | <b>H1</b> |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b>PROVISIONAL SUMS</b>                                                                                                                                                                                                                                                                                      |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b>ELETRICAL WORKS</b>                                                                                                                                                                                                                                                                                       | <b>H1</b> |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b><u>SUPPLEMENTARY PREAMBLES</u></b>                                                                                                                                                                                                                                                                        |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| NOTE: Tenderers are referred to the definition of general attendance on nominated sub-contractors given in Clause 9 of the Preliminaries                                                                                                                                                                     |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| <b><u>THE FOLLOWING PROVISIONAL SUMS ARE FOR WORK TO BE EXECUTED BY SELECTED SUBCONTRACTORS</u></b>                                                                                                                                                                                                          |           |   |  |     |
|                                                                                                                                                                                                                                                                                                              |           |   |  |     |
| The following Provisional Sums are for specialists work to be                                                                                                                                                                                                                                                |           |   |  |     |

|                                                                                                                                                                                                                                                                                                              |           |   |          |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|----------|----------|
| executed by a selected Sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a Domestic Sub-Contractor to the Contractor                                                                                                                                          |           |   |          |          |
| A Selected Sub-Contractor shall be a Sub-contractor executing work for which a sum of money is provided for in the Bills of Quantities or a Sub-contractor executing additional specialist work which arises as a result of an instruction by the Principal Agent/Engineer                                   |           |   |          |          |
| Tender documents for such work shall be prepared by the Principal Agent/Engineer in consultation with and to the approval of the Contractor and such tender document shall be issued by the Principal Agent/Engineer to a list of tenderers agreed upon between the Principal Agent/Engineer and Contractor. |           |   |          |          |
| Tenders shall be submitted to the Principal Agent/Engineer                                                                                                                                                                                                                                                   |           |   |          |          |
| The Selected Sub-contractor shall be chosen by the Principal Agent/Engineer and the Contractor, and the Contractor shall satisfy himself that such selected sub-contractor can meet the requirements of the Sub-Contract agreement and the Contractor shall inform the Principal Agent/Engineer accordingly  |           |   |          |          |
| The procedure relating to the method of selection, obtaining of tenders, adjudication thereof and the appointment of the Selected Sub-contractor shall not create any contractual relationship between the Client and the Selected Sub-contractor                                                            |           |   |          |          |
| NOTE: Under no circumstances may any Prime Cost - Provisional Amount, etc be extended at an amount lower than the amount given in the Bill                                                                                                                                                                   |           |   |          |          |
| <b>ELETRICAL INSTALLATION</b>                                                                                                                                                                                                                                                                                |           |   |          |          |
| Allow an amount of R 700 000. 00 (Seven Hundred Thousand Rands) for eletrical installation as per Principal Agent's instruction.                                                                                                                                                                             | Item      | 1 | R        | -        |
| <b>TOTAL - SECTION NO.3 - BILL NO.6 - ELETRICAL WORK</b>                                                                                                                                                                                                                                                     |           |   | <b>R</b> | <b>-</b> |
|                                                                                                                                                                                                                                                                                                              |           |   |          |          |
| <b>SECTION NO.3</b>                                                                                                                                                                                                                                                                                          | <b>H1</b> |   |          |          |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                         | <b>H1</b> |   |          |          |
| <b>BILL NO. 7</b>                                                                                                                                                                                                                                                                                            | <b>H1</b> |   |          |          |
| <b>PROVISIONAL SUMS</b>                                                                                                                                                                                                                                                                                      |           |   |          |          |
| <b>HVAC</b>                                                                                                                                                                                                                                                                                                  | <b>H1</b> |   |          |          |
| <b>SUPPLEMENTARY PREAMBLES</b>                                                                                                                                                                                                                                                                               |           |   |          |          |
| NOTE: Tenderers are referred to the definition of general attendance on nominated sub-contractors given in Clause 9 of the Preliminaries                                                                                                                                                                     |           |   |          |          |
| <b>THE FOLLOWING PROVISIONAL SUMS ARE FOR WORK</b>                                                                                                                                                                                                                                                           |           |   |          |          |

|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|--|------------|
| <b>TO BE EXECUTED BY SELECTED SUBCONTRACTORS</b>                                                                                                                                                                                                                                                             |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| The following Provisional Sums are for specialists work to be executed by a selected Sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a Domestic Sub-Contractor to the Contractor                                                                            |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| A Selected Sub-Contractor shall be a Sub-contractor executing work for which a sum of money is provided for in the Bills of Quantities or a Sub-contractor executing additional specialist work which arises as a result of an instruction by the Principal Agent/Engineer                                   |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| Tender documents for such work shall be prepared by the Principal Agent/Engineer in consultation with and to the approval of the Contractor and such tender document shall be issued by the Principal Agent/Engineer to a list of tenderers agreed upon between the Principal Agent/Engineer and Contractor. |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| Tenders shall be submitted to the Principal Agent/Engineer                                                                                                                                                                                                                                                   |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| The Selected Sub-contractor shall be chosen by the Principal Agent/Engineer and the Contractor, and the Contractor shall satisfy himself that such selected sub-contractor can meet the requirements of the Sub-Contract agreement and the Contractor shall inform the Principal Agent/Engineer accordingly  |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| The procedure relating to the method of selection, obtaining of tenders, adjudication thereof and the appointment of the Selected Sub-contractor shall not create any contractual relationship between the Client and the Selected Sub-contractor                                                            |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| NOTE: Under no circumstances may any Prime Cost - Provisional Amount, etc be extended at an amount lower than the amount given in the Bill                                                                                                                                                                   |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>HVAC</b>                                                                                                                                                                                                                                                                                                  |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| Allow an amount of R 300 000. 00 (Three Hundred Thousand Rands) for the supply and installation of HVAC as per Principal Agent's instruction.                                                                                                                                                                | Item      | 1 |  | R -        |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>TOTAL - SECTION NO.3 - BILL NO.7 - HVAC</b>                                                                                                                                                                                                                                                               |           |   |  | <b>R -</b> |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>SECTION NO.4</b>                                                                                                                                                                                                                                                                                          | <b>H1</b> |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>BUILDING WORK</b>                                                                                                                                                                                                                                                                                         | <b>H1</b> |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>BILL NO. 1</b>                                                                                                                                                                                                                                                                                            | <b>H1</b> |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>CONTINGENCIES</b>                                                                                                                                                                                                                                                                                         | <b>H1</b> |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| Allow an amount of 10% of the measured works including preliminaries and generals for contingencies to be used at the discretion of the principal agent.                                                                                                                                                     | Item      | 1 |  | R -        |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |
| <b>TECHNICAL STUDENTS TRAINING</b>                                                                                                                                                                                                                                                                           |           |   |  |            |
|                                                                                                                                                                                                                                                                                                              |           |   |  |            |

|                                                                                                                                                |      |    |  |            |
|------------------------------------------------------------------------------------------------------------------------------------------------|------|----|--|------------|
| Allow an amount of R 250 000.00 for the contractor to transfer skills to IKHALA TVET College students. Students to be nominated by the college | Item | 1  |  | R -        |
|                                                                                                                                                |      |    |  |            |
| Contractors handling fee                                                                                                                       | %    | 10 |  | R -        |
|                                                                                                                                                |      |    |  |            |
| <b>TOTAL SECTION NO.4 - BILL NO.1</b>                                                                                                          |      |    |  | <b>R -</b> |
|                                                                                                                                                |      |    |  |            |
|                                                                                                                                                |      |    |  |            |
|                                                                                                                                                |      |    |  |            |
| <b>TOTAL EXCLUDING VAT</b>                                                                                                                     |      |    |  | <b>R -</b> |
| <b>VAT @ 15%</b>                                                                                                                               |      |    |  | <b>R -</b> |
| <b>TOTAL INCLUDING VAT</b>                                                                                                                     |      |    |  | <b>R -</b> |



**SCOPE OF WORKS FOR THE CONSTRUCTION OF A NEW CAFETERIA AT IKHALA  
TECHNICAL AND VOCATIONAL EDUCATION & TRAINING COLLEGE**

**PREPARED BY: MEBAN GROUP (PTY) LTD**

**REPRESENTED BY: MBALI MKHWANAZI**

**APPROVED BY: NTSAKO MNYANGA**

**FOR:**

**IKHALA TVET COLLEGE  
(STERKSPRUIT CAMPUS)**

**MAY 2025**

**SIGNED BY: NTSAKO MNYANGA**





## SCOPE OF WORKS-CAFETERIA



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**Visual scope of works**  
**Provisional scope of works**

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**Visual scope of works – Construction of a new Cafeteria**



Area where the  
proposed cafeteria is  
to be built



## **PROVISIONAL SCOPE OF WORKS**

### **Earth works**

#### **Site clearing, Bulk earthworks, Trenching and Excavation**

- Excavation for working space
- Carting away of excavated material Remove all shrubs and trees
- Digging up and removing rubbish, debris, vegetation, hedges, shrubs and bush
- Excavation for foundations as per structural drawings
- Backfilling and compaction of excavated areas

### **Building works:**

#### **External Works:**

- Casting of reinforced concrete for foundations, ground beams and retaining walls
- Erection of structural steelwork
- Plumbing & drainage system
- Brick work and installation of lintels over all openings
- Installation of window and door frames

#### **Internal Works:**

- Casting of reinforced concrete for the concrete slab according to the specifications
- Electrical works
- Installation of internal doors and ironmongery
- Plastering and installation of both floor and wall finishes
- Installation of ceiling according to specifications

#### **Roofing:**

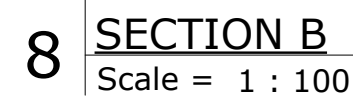
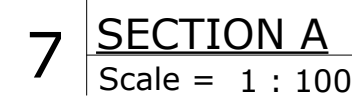
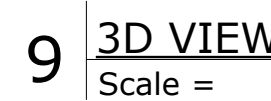
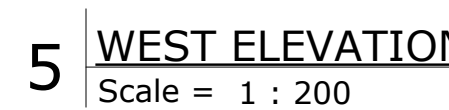
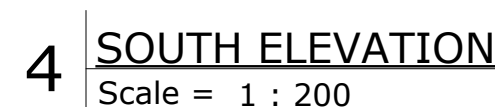
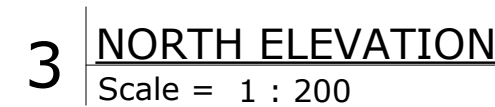
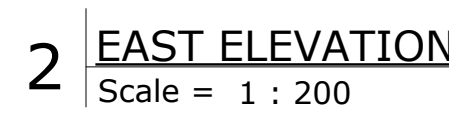
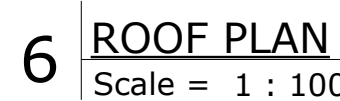
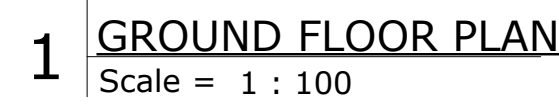
- Installation of roofing materials
- Installation of insulation materials
- Installation of rain water goods connected to stormwater drainage system



## SCOPE OF WORKS-CAFETERIA



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ISSUED FOR COMMENT

Project name  
**IKHALA TVET COLLEGES - CAFFETERIA**  
EMFUNDWENI STR, STERKSPRUIT  
EASTERN CAPE, 9762

|              |                            |
|--------------|----------------------------|
| Drawing name | <b>GENERAL ARRANGEMENT</b> |
|--------------|----------------------------|

|                             |       |                                |              |                             |                |
|-----------------------------|-------|--------------------------------|--------------|-----------------------------|----------------|
| Project no.<br><b>25004</b> |       | Drawing no.<br><b>A25_01-A</b> |              |                             | Re<br><b>A</b> |
| Date<br>09/12/07            | Scale | Drawn<br>OM                    | Checked<br>- | Workstage<br><b>CONCEPT</b> |                |



CONTRACTORS MUST VERIFY ALL LEVELS AND DIMENSIONS ON SITE BEFORE COMMENCING WORK OR MAKING ANY SHOP DRAWINGS. USE WRITTEN DIMENSIONS IN PREFERENCE TO SCALED DIMENSIONS. THIS DRAWING TO BE READ IN CONJUNCTION WITH ANY RELEVANT CONSULTANTS DRAWINGS. ANY DISCREPANCIES AND OR ERRORS TO BE REPORTED TO ARCHITECT.

THE DESIGN ON THIS DRAWING REMAINS THE PROPERTY OF THE ARCHITECT. COPYRIGHT IS STRICTLY RESERVED. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND. ANY DISCREPANCY MUST IMMEDIATELY BE REPORTED TO THE ARCHITECT. DIMENSIONS TAKE PREFERENCE TO THE SCALED DRAWINGS.

1. CONCRETE STRENGTH AT 28 DAYS SHALL BE:

1. CONCRETE STRENGTH AT 28 DAYS SHALL BE:

|                    |                  |
|--------------------|------------------|
| BLINDING MASS      | - 15 MPa / 19 mm |
| FOUNDATIONS        | - 15 MPa / 19 mm |
| GROUNDBEAMS        | - 30 MPa / 19 mm |
| COLUMNS            | - 30 MPa / 19 mm |
| WALLS              | - 30 MPa / 19 mm |
| CAVITY WALL INFILL | - 15 MPa / 19 mm |
| BEAMS              | - 30 MPa / 19 mm |
| SURFACE BEDS       | - 30 MPa / 19 mm |
| STAIRS             | - 30 MPa / 19 mm |
| SLABS (SUSPENDED)  | - 30 MPa / 19 mm |
2. NO CONCRETE SHALL BE POURED UNTIL THE EXCAVATION, BLINDING, FORMWORK AND/OR REINFORCEMENT ETC. HAS BEEN INSPECTED AND APPROVED IN WRITING BY THE ENGINEER. ENGINEER TO BE GIVEN A MINIMUM OF 48-HOURS NOTICE OF SUCH AN INSPECTION.
3. THE CONTRACTOR MUST CO-ORDINATE ALL SERVICES DRAWINGS FOR DETAILS AND POSITIONS OF OPENINGS AND SLEEVES REQUIRED FOR STORMATER, SEWERAGE, DRAINAGE, ELECTRICAL, MECHANICAL AND OTHER SERVICES. DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF ENGINEER AND OTHER RELEVANT PARTIES.
4. THE CONTRACTOR MUST OBTAIN PERMISSION FROM THE ENGINEER BEFORE ANY OPENINGS OR SERVICES, WHICH ARE NOT INDICATED ON THE DRAWINGS, MAY BE INTRODUCED THROUGH ANY STRUCTURAL ELEMENT OR CLOSE TO ANY COLUMN.
5. CURING OF CONCRETE SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH SABS 1200 G CLAUSE 5.5.2 & 5.8. THE CONTRACTOR TO PROVIDE A METHOD STATEMENT, TO BE APPROVED BY ENGINEER, FOR THE CURING PROCEDURES OF THE VARIOUS ELEMENTS CONCERNED BUT ALL SURFACES TO BE KEPT CONTINUOUSLY DAMP FOR AT LEAST 7 DAYS AFTER CASTING. CONCRETE SLABS TO BE COVERED WITH MOIST SAND OR COVERED WITH PLASTIC MEMBRANE DURING THIS PERIOD. CONCRETE COLUMNS TO BE WRAPPED IN A PLASTIC MEMBRANE DURING THIS PERIOD.
6. STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SABS 1200 G CLAUSES 5.5.2 AND TABLE 2 AS REPRODUCED IN THE STRUCTURAL NOTES AND SPECIFICATIONS.
7. PROPPING MAY ONLY BE REMOVED ONCE SUSPENDED SLABS OR BEAMS HAVE OBTAINED THEIR 28 DAY STRENGTH. U.O.N. ALL SUSPENDED SLABS AND BEAMS SHALL BE BACK-PROPPED FOR TWO (2) COMPLETED LEVELS ABOVE THE PROPPED LEVEL OF THE RELEVANT BEAM OR SLAB.
8. DOWNSTAND AND UPSTAND BEAM DIMENSIONS ARE GIVEN AS  
B x A WHERE:  
A = TOTAL DEPTH OF BEAM INCLUDING SLAB THICKNESS  
B = WIDTH OF BEAM
9. CONCRETE POURED IN EXCESS OF THREE METERS HIGH WILL NOT BE ACCEPTED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
10. ALL COLUMNS ARE PLACED SYMMETRICALLY ON GRID LINES U.O.N.
11. 20x20mm CHAMFERS TO ALL VISIBLE EDGES U.O.N.
12. 100mm KICKERS FOR COLUMNS AND WALLS HAVE BEEN ALLOWED FOR IN THE REINFORCING LENGTHS. THEY SHALL BE CAST WITH THE SAME STRENGTH AS THE CONCRETE ELEMENTS BELOW THEM AND THOROUGHLY COMPACTED AND CURED.

[illegible]

**ISSUED FOR TENDER**



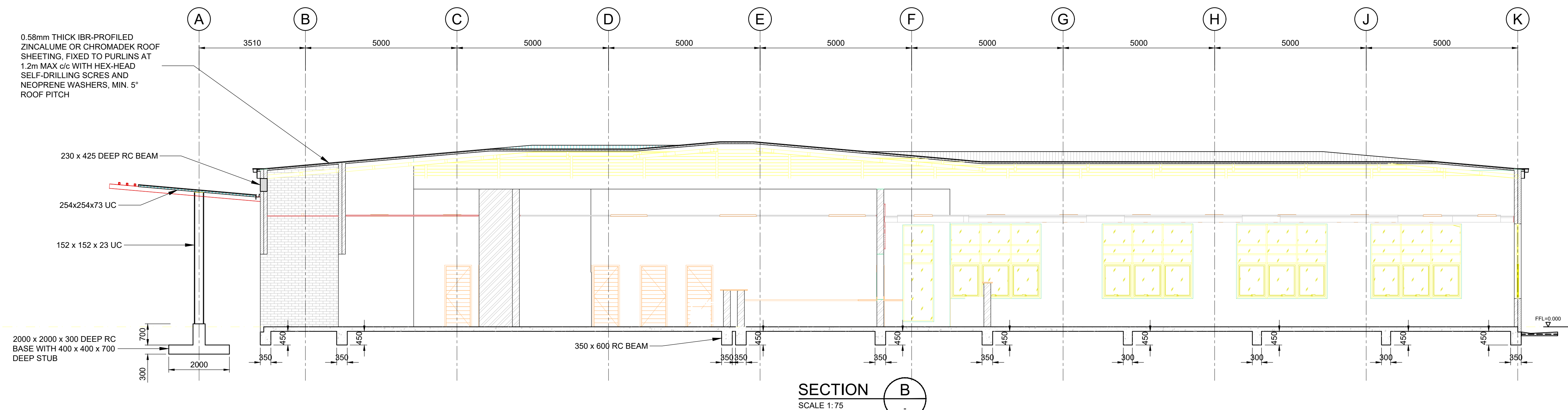
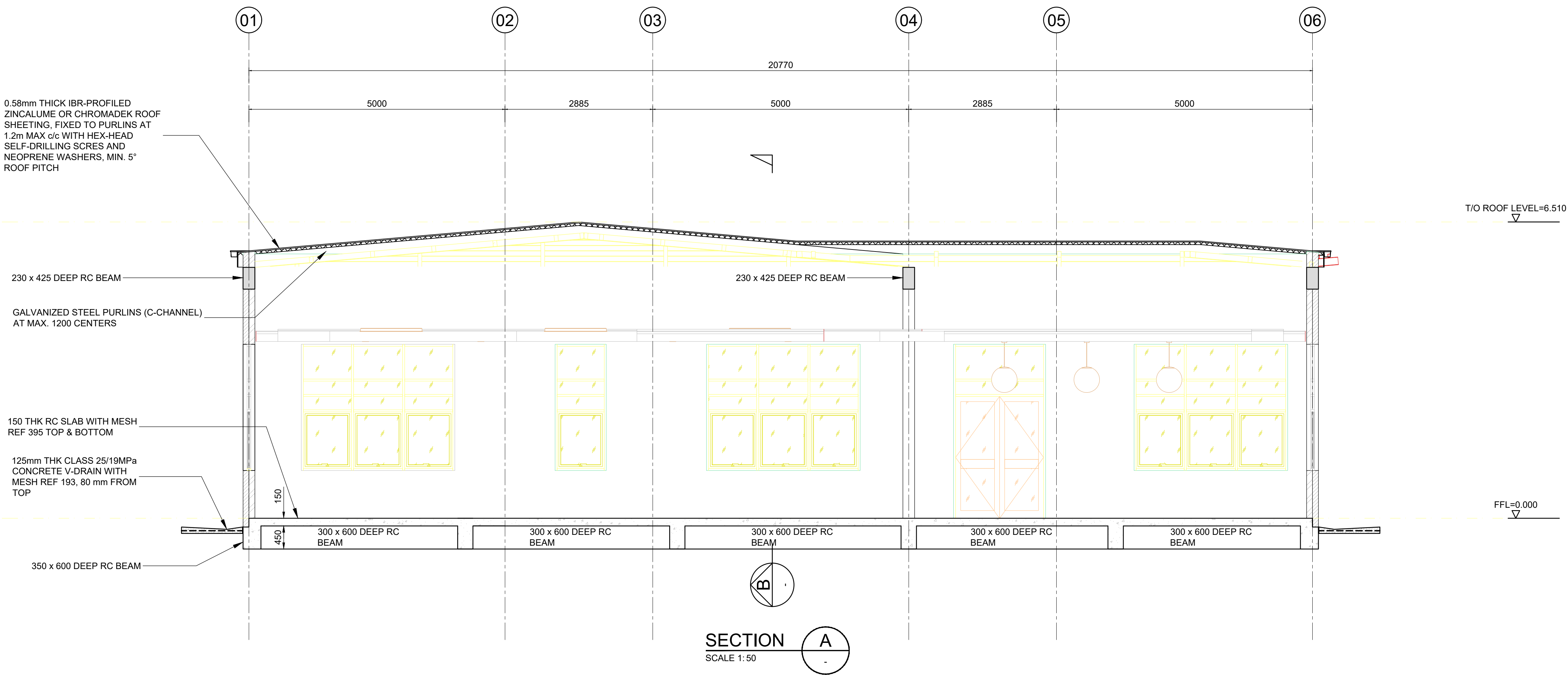
58 Henri Road, Cnr Saxby  
Avenue  
Eldoraigne, Pretoria  
0157  
[www.mebangroup.co.za](http://www.mebangroup.co.za)  
012 881 4750

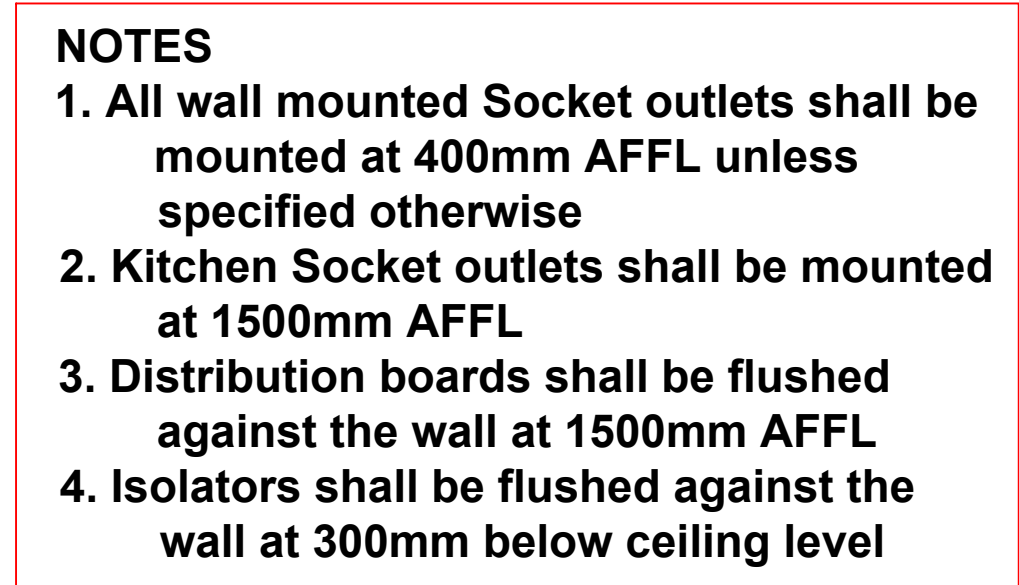
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| <input type="checkbox"/> | CONSTRUCTION             | <input type="checkbox"/>            | COSTING |
| <input type="checkbox"/> | APPROVAL                 | <input type="checkbox"/>            | COMMENT |
| <input type="checkbox"/> | LOCAL AUTHORITY APPROVAL |                                     |         |

Project name  
**IKHALA TVET COLLEGES - CAFFETERIA**  
EMFUNDWENI STR, STERKSPRUIT  
EASTERN CAPE, 9762

Drawing name  
**BUILDING SECTIONS &  
DETAILS**

|                             |       |                                          |              |                            |
|-----------------------------|-------|------------------------------------------|--------------|----------------------------|
| Project no.<br><b>25004</b> |       | Drawing no.<br><b>MBG-SS-CAF-SE25_02</b> |              | Rev<br><b>B</b>            |
| Date<br>06/10/25            | Scale | Drawn<br>TP                              | Checked<br>- | Workstage<br><b>TENDER</b> |





|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| ORIGINAL PAPER SIZE                                                               | SCALE BAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| <p><u>NOTES</u></p>                                                               | <p>ALL PLANS TO BE READ IN CONJUNCTION WITH THE ENGINEER/ARCHITECTURE'S DRAWINGS.</p> <p>ALL WORK TO COMPLY WITH N.B.R.</p> <p>ALL DIMENSIONS &amp; LEVELS TO BE CHECKED ON SITE AND VERIFIED WITH THE ARCHITECT PRIOR TO COMMENCING OF ANY WORK.</p> <p>ANY DISCREPANCIES TO BE CONFIRMED WITH THE ARCHITECT / TECHNOLOGIST PRIOR TO COMMENCING OF ANY BUILDING WORK.</p> <p>DO NOT SCALE OFF DRAWINGS BUT WORK FROM FIGURED DIMENSIONS ONLY.</p> <p>NO PART OF ANY STRUCTURE TO ENCROACH ANY BUILDING OR BOUNDARY LINE.</p> <p>THE ENGINEER ACCEPTS NO RESPONSIBILITY FOR ERRORS RESULTING FROM MISINTERPRETATION OF THE DRAWINGS.</p> <p>THIS PLAN IS PROTECTED BY COPYRIGHT &amp; REMAINS THE PROPERTY OF THE REGISTERED ELECTRICAL/MECHANICAL ENGINEER AS APPOINTED.</p> |  |

[illegible]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|
| <p>Client</p> <p><b>IKHALA TVET COLLEGES</b></p> <div style="display: flex; justify-content: space-around; align-items: center;">  <div> <p><b>higher education<br/>&amp; training</b></p> <hr/> <p>Higher Education and Training<br/>REPUBLIC OF SOUTH AFRICA</p> </div>  </div> |  |  <p><b>MEBAN GROUP</b> (Pty) Ltd</p> |
| <p>58 Henri Road, Cnr Saxby Avenue</p> <p>Eldoraigne, Pretoria</p> <p>0157</p> <p><a href="http://www.mebangroup.co.za">www.mebangroup.co.za</a></p> <p>012 881 4750</p>                                                                                                                                                                                                                                                                                    |  |                                                                                                                           |

Drawing name  
**CANTEEN- POWER**

|                             |                |                                 |                        |                                   |
|-----------------------------|----------------|---------------------------------|------------------------|-----------------------------------|
| Project no.<br><b>25004</b> |                | Drawing no.<br>TH/ITVET/ELEC/08 |                        | Rev<br><b>0</b>                   |
| Date<br>2025.05.27          | Scale<br>N.T.S | Drawn<br>T.RAKGOMO              | Checked<br>S.MAKHUBELE | Workstage<br><b>WORKSTAGE 4.1</b> |

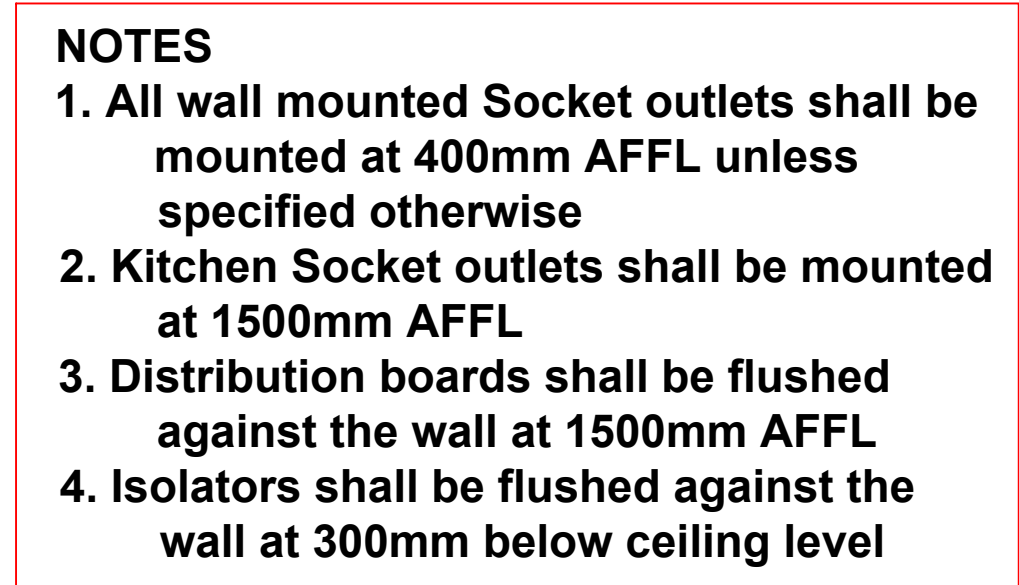


Figure 1 is a scale bar for the original paper size A1. It consists of a horizontal line divided into four equal segments, each labeled with its length in millimeters (mm): 10mm, 20mm, 30mm, and 40mm. The total length of the scale bar is 100mm. Above the scale bar, the text 'SCALE BAR' is written. To the left of the scale bar, the text 'ORIGINAL PAPER SIZE A1' is written.

|  | LEGEND                                                                                                                                                                                                                                |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 55W, LED Floodlight, Corrosion-resistant(EN 1706 AC-4300)high-pressure die-cast aluminium housing, surface/recess mounted, designed for upto 81W LED<br>BEKA LED NOVA Mini LIGHT FITTING OR EQUIVALENT                                |
|  | Wall mounted IP65, Bulkhead LED fitting with a die cast aluminium body and trim ring, black textured finish (RAL 9017), high impact acrylic diffuser, 13W LED, >1500lm output, 4000K. Similar or equal to BEKA Series 30A BLK NW 13W. |
|  |                                                                                                                                                                                                                                       |
|  | Recessed backlit LED Panel light fitting, 1200 x 600, with 6A plug top complete with 3m cable; 49W LED, >8600lm output, 4000K. Similar or equal to BEKA LED PANEL 49 SRE 3M.                                                          |
|  | 1x21W LED WALL MOUNTED EXTERIOR BULKHEAD WITH BLACK DIE CAST                                                                                                                                                                          |
|  | ALUMINIUM TRIM 2600 LUMENS                                                                                                                                                                                                            |
|  | 2x22W VAPOURPROOF LED LUMINAIRE 1200mm LONG 2*2000 LUMENS                                                                                                                                                                             |
|  | 2x22W LED LUMINAIRE 1200mm LONG 2*2000 LUMENS                                                                                                                                                                                         |
|  | 1x22W LED LUMINAIRE 1200mm LONG 1*2000 LUMENS                                                                                                                                                                                         |
|  | Single lever light switch                                                                                                                                                                                                             |
|  | 2 way single lever light switch                                                                                                                                                                                                       |
|  | PHOTOCELL 609 RCB                                                                                                                                                                                                                     |
|  | 1x21W LED CEILING MOUNTED INTERIOR BULKHEAD WITH WHITE DIE CAST ALUMINIUM TRIM 2600 LUMENS                                                                                                                                            |
|  | 16A Double Switched Socket Outlet 100x100x50 OR 100x50x50                                                                                                                                                                             |
|  | 16A Single Switched Socket Outlet 100x100x50 OR 100x50x50                                                                                                                                                                             |
|  | Dedicated 16A Single Switched Socket Outlet 100x100x50 OR 100x50x50                                                                                                                                                                   |
|  | Complete Voice and Data Combination Outlet                                                                                                                                                                                            |
|  | 366x230x110mm floor mounted 3 compartment power box with 3 separate compartment base including 2x16A Socket and one R145 socket outlet for data                                                                                       |
|  | Single Phase Isolator                                                                                                                                                                                                                 |
|  | Electrical Distribution Board                                                                                                                                                                                                         |
|  | Power Skirting                                                                                                                                                                                                                        |
|  | Lightning Protection Spike                                                                                                                                                                                                            |

[illegible]

|   |            |                     |              |
|---|------------|---------------------|--------------|
| A | 2025.05.26 | ELEC ENG.           | FOR APPROVAL |
|   |            | <b>FOR APPROVAL</b> |              |

|                                                                                                                                                                                                                             |                                                                                                                                  |                                                                                                                                                                          |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>Client</p> <p><b>IKHALA TVET COLLEGES</b></p>                                                                                                                                                                            |                                                                                                                                  | <p>58 Henri Road, Cnr Saxby Avenue</p> <p>Eldoraigne, Pretoria</p> <p>1517</p> <p><a href="http://www.mebangroup.co.za">www.mebangroup.co.za</a></p> <p>012 881 4750</p> |  |
|  <p><b>higher education<br/>&amp; training</b></p> <p>Department of<br/>Higher Education and Training<br/>REPUBLIC OF SOUTH AFRICA</p> |  <p><b>IKHALA</b><br/>ADVANCE EDUCATION</p> |  <p><b>MEBAN GROUP</b> (Pty) Ltd</p>                                                |  |
| <input type="checkbox"/> INFORMATION                                                                                                                                                                                        | <input type="checkbox"/> TENDER                                                                                                  |                                                                                                                                                                          |  |
| <input type="checkbox"/> CONSTRUCTION                                                                                                                                                                                       | <input type="checkbox"/> COSTING                                                                                                 |                                                                                                                                                                          |  |
| <input checked="" type="checkbox"/> APPROVAL                                                                                                                                                                                | <input type="checkbox"/> COMMENT                                                                                                 |                                                                                                                                                                          |  |
| <input type="checkbox"/> LOCAL AUTHORITY                                                                                                                                                                                    | <input type="checkbox"/> APPROVAL                                                                                                |                                                                                                                                                                          |  |

PROJECT NAME:  
IKHALA TVET COLLEGES -CANTEEN  
EMFUNDWENI STR, STERKSPRUIT  
EASTERN CAPE, 9762

Drawing name  
**CANTEEN- LIGHTING**

|                             |                |                                        |                        |                                   |                 |
|-----------------------------|----------------|----------------------------------------|------------------------|-----------------------------------|-----------------|
| Project no.<br><b>25004</b> |                | Drawing no.<br><b>TH/ITVET/ELEC/07</b> |                        |                                   | Rev<br><b>0</b> |
| Date<br>2025.05.27          | Scale<br>N.T.S | Drawn<br>T.RAKGOMO                     | Checked<br>S.MAKHUBELE | Workstage<br><b>WORKSTAGE 4.1</b> |                 |