



**public works  
& infrastructure**

Department:  
Public Works and Infrastructure  
**REPUBLIC OF SOUTH AFRICA**

**36-MONTH REPAIR AND REFURBISHMENT PROGRAMME**

**TENDER No: H22/037AI**

**REFERENCE NO: 21/1/2(47)**

**SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES:  
MPUMALANGA ACORNHOEK, LEBOWAKGOMO,  
NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD  
CENTRES: REPAIR AND UPGRADING**

**TENDER DOCUMENT**

**NOVEMBER 2022**

**ISSUED BY:**

**NATIONAL DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE**

**Central Government Offices**

**c/o Bosman & Madiba (Vermeulen) Streets**

**PRETORIA**

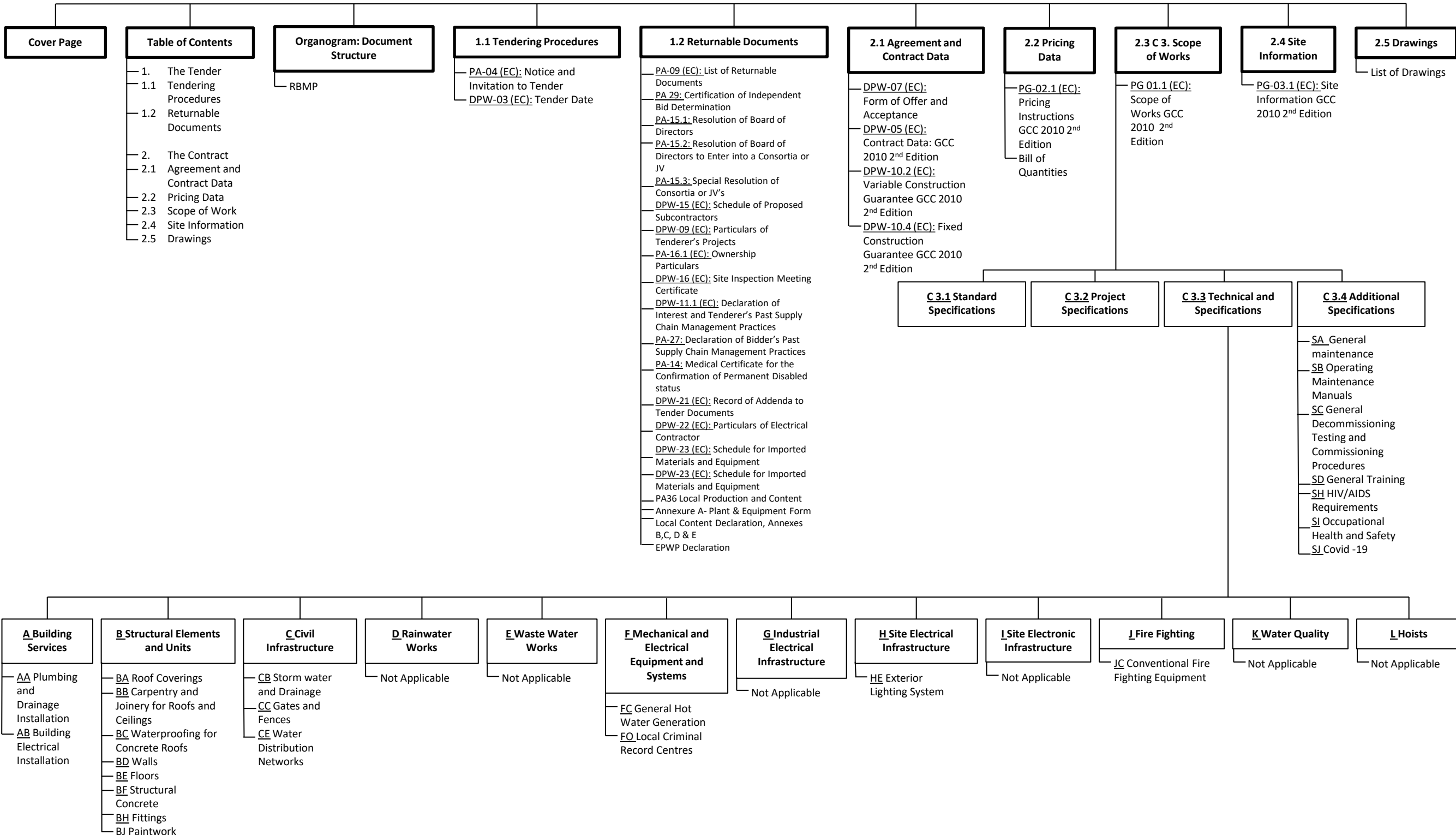
**0002**

**NAME OF TENDERER: .....**

**RETURNABLE DOCUMENT**



36 Months Repair, Maintenance and Servicing of Buildings, Civil, Electrical and Mechanical Infrastructure and Installations. Limpopo and Mpumalanga: Local Criminal Record Centres: Lebowakgomo, Thohoyandou, Acornhoek and Nelspruit





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SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK,  
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## THE TENDER

SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK,  
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## ***PART T1: TENDER PROCEDURES***

## DPW-03 (EC): TENDER DATA

<b>Project title:</b>	<b>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</b>
<b>Reference no:</b>	21/1/2(47)

<b>Tender / Quotation no:</b>	H22/037AI	<b>Closing date:</b>	31 January 2023
<b>Closing time:</b>	11:00	<b>Validity period:</b>	12 Weeks (84 Calendar days)

Clause number:	
	<p>The conditions of tender are the Standard Conditions of Tender as contained in Annex C of the CIDB Standard for Uniformity in Construction Procurement as per Government Notice No. 423 published in Government Gazette No. 42622 of 8 August 2019 and as amended from time to time. (see <a href="http://www.cidb.org.za">www.cidb.org.za</a>).</p> <p>The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.</p> <p>Each item of data given below is cross-referenced to the clause marked "C" in the above mentioned Standard Conditions of Tender.</p>
<b>C.1.1</b>	The employer is the Government of the Republic of South Africa in its Department of Public Works and Infrastructure.
<b>C.1.2</b>	<p>For this contract the three volume approach is adopted.</p> <p>This procurement document has been formatted and compiled under the headings as contained in the CIDB's "Standard for Uniformity in Construction Procurement."</p> <p>The three volume procurement document issued by the employer comprises the following:</p> <p>Volume 1: Tendering procedures T1.1 - Notice and invitation to tender (PA-04 EC) T1.2 - Tender data (DPW-03 EC)</p> <p>Volume 2: Returnable documents T2.1 - List of returnable documents (PA-09 EC) C1.1 - Form of offer and acceptance (DPW-07 EC) C1.2 – Contract Data T2.2 - Returnable schedules</p> <p>Volume 3: Contract Part C1: Agreement and contract data C1.2 - Contract data (Part 1: Data provided by employer) (DPW-04 EC or DPW-05 EC) C1.3 - Form of guarantee (DPW-10.1 EC / DPW-10.3EC or DPW-10.2 EC/DPW-10.4 EC)</p> <p>Part C2: Pricing data C2.1 - Pricing Assumptions (PG-02.2 EC or PG-02.1EC) C2.2 - Bills of Quantities / Lump sum document (if not a returnable document)</p> <p>Part C3: Scope of work C3 - Scope of work (PG-01.2 EC or PG-01.1EC)</p> <p>Part C4: Site information C4 - Site information (PG-03.2 EC or PG03.1EC)</p>

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C.1.4	The Employer's agent is:	
	Name:	<b>Zutari (Pty) Ltd</b>
	Capacity:	<b>Private Project Manager</b>
	Address:	<b>41 Matroosberg Rd, Newlands, Pretoria, 0081</b>
	Tel:	<b>012 427 2290 or 083 701 6061</b>
	Fax:	<b>0865667288</b>
	E-mail:	<b>anton.lourens@zutari.com</b>
C.2.1 C.3.11	<p><b>A. <u>ELIGIBILITY IN RESPECT OF CIDB REGISTRATION:</u></b></p> <p>The following tenderers who are registered with the CIDB, or are *capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated (* tenderers who are capable of being so registered, or who have applied for registration but have not yet received confirmation of such registration, must provide, <u>with this tender</u>, acceptable documentary proof thereof):</p> <p>a) contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations, for a <b>6 GB</b> or <b>6 ME**</b> class of construction work; and</p> <p>b) contractors registered as potentially emerging enterprises with the CIDB who are registered in one contractor grading designation lower than that required in terms of a) above: <b>Not applicable</b></p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> <li>1. every member of the joint venture is registered with the CIDB;</li> <li>2. the lead partner has a contractor grading designation in the <b>6 GB</b> or <b>6 ME**</b> class of construction work; and</li> <li>3. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations for a <b>6 GB</b> or <b>6 ME**</b> class of construction work</li> </ol> <p><b>** Delete "or select tender value range select class of construction works" where only one class of construction works is applicable</b></p>	
<p>A contract will be entered into with a tenderer who has in his employ management and supervisory staff satisfying the requirements of the scope of work for labour intensive competencies for supervisory and management staff: <b>Applicable</b></p>		

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<p><b>B. <u>ELIGIBILITY IN TERMS OF PRE-QUALIFICATION CRITERIA FOR PREFERENTIAL PROCURMENT:</u></b></p> <table border="1"> <tr> <td style="width: 50px; vertical-align: top;"> <input checked="" type="checkbox"/> </td> <td>A tenderer having stipulated minimum B-BBEE status level of contributor:</td> </tr> <tr> <td style="vertical-align: top;"> <input checked="" type="checkbox"/> Level 1 or <input checked="" type="checkbox"/> Level 2 or <input type="checkbox"/> Level 3         </td> <td></td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> </td> <td><input type="checkbox"/> An EME or <input type="checkbox"/> A QSE or <input type="checkbox"/> An EME or QSE</td> </tr> </table>		<input checked="" type="checkbox"/>	A tenderer having stipulated minimum B-BBEE status level of contributor:	<input checked="" type="checkbox"/> Level 1 or <input checked="" type="checkbox"/> Level 2 or <input type="checkbox"/> Level 3		<input type="checkbox"/>	<input type="checkbox"/> An EME or <input type="checkbox"/> A QSE or <input type="checkbox"/> An EME or QSE
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<input type="checkbox"/>	<input type="checkbox"/> An EME or <input type="checkbox"/> A QSE or <input type="checkbox"/> An EME or QSE						
<p><b>C. <u>INDICATE THE FUNCTIONALITY WEIGHTING APPLICABLE TO THIS BID:</u></b></p> <p><b><i>Note:</i></b> All bids involving the acquisition of engineering and construction works from cidb Grade 4 and above are subjected to functionality.</p> <p><b><i>Note:</i></b> Functionality will only be applied as a prequalification criterion. Such criteria are used to establish minimum requirements where after bids will be evaluated solely on the basis of price and preference.</p> <table border="1"> <thead> <tr> <th style="text-align: left;"><b>Functionality Criteria</b></th> <th style="text-align: left;"><b>Weighting Factor</b></th> </tr> </thead> <tbody> <tr> <td> <p><b>1.WORKFORCE</b>            The Service Provider to provide proof of the proposed Work Force (Project Specific Key Personnel) that will be Full-Time employed for the duration of this project.            The Proposal to include the following required Personnel: (i) Site Agent/Foreman, (ii) Plumbers, (iii) Electricians, (iv) Air-Conditioner Technicians, (v) Carpenters, and (xi) Health &amp; safety officers, all of whom will be involved on this specific project.  <b>NOTE 1: FAILURE TO SUBMIT ALL REQUIRED KEY PERSONNEL WILL RESULT IN SERVICE PROVIDER NOT BEING ALLOCATED POINT(S).</b>  <b>Note 2:</b> Bidders must submit a sworn affidavit that these or similar qualified personnel will be employed after the award of the Tender and for the full duration of the project.  <b>Note 3:</b> If any of the above services are to be sub-contracted, the bidder must submit proof of Registration on the National Treasury's Central Supplier Database (CSD) of the sub-contractor(s) and should indicate details of the sub-contractor(s) on the DPW-15 (EC) form            Service Provider to provide the following:            1) Company Organogram indicating all Key Personnel to be involved in this project.            2) CV of each Key Personnel to be involved in this project.            3) Copies of Qualifications of each Key Personnel to be involved in this project.            4) Copies of Trade Test certificates for Plumbers, Electricians, and Air-Conditioner Technicians. Copies of Health and Safety Offices registration with SACPCMP as either Candidate or Construction Health and Safety Officer.            5) IDs copies of Each Key Personnel to be involved in this project.  <b>Points Allocations:</b>            1) All Five (5) of the above included: 5 Points            2) Four (4) of the above included: 4 Points            3) Three (3) of the above included: 3 Points            4) Two (2) of the above included: 2 Points            5) One (1) of the above included: 1 Point            6) No information provided: 0 Points</p> </td> <td style="vertical-align: top;"> <p>30</p> </td> </tr> </tbody> </table>		<b>Functionality Criteria</b>	<b>Weighting Factor</b>	<p><b>1.WORKFORCE</b>            The Service Provider to provide proof of the proposed Work Force (Project Specific Key Personnel) that will be Full-Time employed for the duration of this project.            The Proposal to include the following required Personnel: (i) Site Agent/Foreman, (ii) Plumbers, (iii) Electricians, (iv) Air-Conditioner Technicians, (v) Carpenters, and (xi) Health &amp; safety officers, all of whom will be involved on this specific project.  <b>NOTE 1: FAILURE TO SUBMIT ALL REQUIRED KEY PERSONNEL WILL RESULT IN SERVICE PROVIDER NOT BEING ALLOCATED POINT(S).</b>  <b>Note 2:</b> Bidders must submit a sworn affidavit that these or similar qualified personnel will be employed after the award of the Tender and for the full duration of the project.  <b>Note 3:</b> If any of the above services are to be sub-contracted, the bidder must submit proof of Registration on the National Treasury's Central Supplier Database (CSD) of the sub-contractor(s) and should indicate details of the sub-contractor(s) on the DPW-15 (EC) form            Service Provider to provide the following:            1) Company Organogram indicating all Key Personnel to be involved in this project.            2) CV of each Key Personnel to be involved in this project.            3) Copies of Qualifications of each Key Personnel to be involved in this project.            4) Copies of Trade Test certificates for Plumbers, Electricians, and Air-Conditioner Technicians. Copies of Health and Safety Offices registration with SACPCMP as either Candidate or Construction Health and Safety Officer.            5) IDs copies of Each Key Personnel to be involved in this project.  <b>Points Allocations:</b>            1) All Five (5) of the above included: 5 Points            2) Four (4) of the above included: 4 Points            3) Three (3) of the above included: 3 Points            4) Two (2) of the above included: 2 Points            5) One (1) of the above included: 1 Point            6) No information provided: 0 Points</p>	<p>30</p>		
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<p><b>2. RELEVANT EXPERIENCE (REPAIR &amp; MAINTENANCE TYPE PROJECTS) -MAINTENANCE AND REPAIRS OF BUILDING SERVICES</b></p> <p>The service provider to provide a list of comparative projects with contactable references, for projects similar (or same) in nature and magnitude currently engaged in and/or completed during the past 10 years.</p> <p>Projects to be listed in DPW-09 (EC)</p> <p>Service Provider to provide Letters of Appointment and Completion Certificates of such projects.</p> <p>In case the service provider was a Subcontractor, copies of Letters of Appointment and Completion Certificates must be accompanied by Letter(s) of Appointment of the Main Contractor.</p> <p>Points allocations:  5 projects or more = 5 points  4 projects = 4 points  3 projects = 3 points  2 projects = 2 points  1 project = 1 point  No documentation submitted = 0</p> <p>Letters of appointment and/or Completion certificates of such projects should be attached for points to be awarded.</p>	<p>30</p>
<p><b>3). Criterion 3: FINANCIAL CAPABILITY</b></p> <p>The service provider to submit adequate financial resources. Verifiable letter from the bank indicating the bank rating. The bank letter must be submitted with the tender document for the tenderer to qualify for the points.</p> <p>Points allocation:  Bank Rating of "A" = 5  Bank Rating of "B" = 4  Bank Rating of "C" = 3  Bank Rating of "D" = 2  Bank Rating of "E" = 1  No Bank rating provided = 0</p> <p>The Bank Letter must not be older than three (3) months from the date of issue.</p>	<p>15</p>
<p><b>4). Criterion 4:</b></p> <p><b>4. PROOF OF EQUIPMENT</b></p> <p>The Service provider to provide evidence of plant, utility vehicles, machinery, and instrumentation owned or to be hired/rented in order to be able to carry out the project.</p> <p>Submit proof of plant and utility vehicles owned or to be hired/rented from suppliers (Copies of Vehicle Registration or Agreement between bidder and supplier for rentals)</p> <p>Submit proof of Equipment and Hand Tools owned or to be hired/rented from suppliers. (You are required to submit your firm Asset Register signed by an authorized person in terms of PA-15.1:Resolution of Board of Directors or Agreement between Bidder and Supplier for rentals Equipment or Tools not less than 3 months).</p> <ol style="list-style-type: none"> <li>1) Utility Vehicles (minimum 2 vehicles)</li> <li>2) Machinery</li> <li>3) Hand Tools for the plumbing services,</li> <li>4) Hand Tools for air-conditioning &amp; ventilation trades, and Electrical trades.</li> <li>5) Hand Tools for construction &amp; building trades.</li> </ol> <p>Points allocation:  1) All five (5) of the above or more equipment, machinery &amp; hand tools: 5 Points</p>	<p>25</p>

2) All four (4) of the above equipment, machinery & hand tools : 4 Points	
3) All three (3) of the above equipment, machinery & hand tools : 3 Points	
4) All two (2) of the above equipment, machinery & hand tools : 2 Points	
5) One (1) of the above equipment, machinery & hand tools : 1 Point	
6) No information provided: 0 Points	
<b>Total</b>	<b>100 Points</b>
<i>(Weightings will be multiplied by the scores allocated during the evaluation process to arrive at the total functionality points)</i>	
<b>Minimum functionality score to qualify for further evaluation:</b>	<b>50</b>



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**D. ELIGIBILITY IN RESPECT OF RISK TO EMPLOYER:**

**Standard risk management assessment criteria in respect of tenders received for routine projects in the engineering and construction works environments:**

Tender offers will be evaluated by an Evaluation Committee based on the technical and commercial risk criteria listed hereunder. Each criterion carries the same weight / importance and will be evaluated individually based on reports presented to the Bid Evaluation Committee by the Professional Team appointed on the project. A tender offer will be declared non-responsive and removed from any further evaluation if any one criterion is found to present an unacceptable risk to the Employer.

In order for the evaluation reports to be prepared by the Professional Team, the Tenderer is obliged to provide comprehensive information on form DPW-09 (EC). Failure to complete the said form will cause the tender to be declared non-responsive and removed from any further consideration. The Employer reserves the right to request additional information over and above that which is provided by the Tenderer on said form. The information must be provided by the Tenderer within the stipulated time as determined by the Bid Evaluation Committee, failing which the tender offer will *mutatis mutandis* be declared non-responsive.

**D.1 Technical risks:**

**Criterion 1: Experience on comparable projects during the past 10 years.**

The tendering Service Provider's experience on comparable projects during the past 10 years. The number of current and previous comparable projects performed by the Tenderer as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form DPW-09 (EC). Failing to provide contactable references will result in the tender offer will be *mutatis mutandis* declared non-responsive.

Aspects to be regarded as "comparable" includes (but may be extended according to circumstances): size of projects (measured against monetary value or other project quantifying parameters), nature of projects (building, engineering, high/low rise, etc.), locality/area of execution (site-specific influences, knowledge of local conditions, etc.), complexity of project, projects for similar client department irrespective of end purpose of buildings/facilities created or in progress of being created and time scales of projects (normal, fast track, etc.) and stage of its/their development.

**Criterion 2: Contractual commitment and quality of performance on comparable projects during the past 10 years.**

Adherence to contractual commitments and quality of performance of comparable current and previous projects performed by the Tenderer on comparable projects during the past 10 years as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form DPW-09 (EC). Failing to provide contactable references will result in the tender offer be *mutatis mutandis* declared non-responsive.

Aspects to be considered include, but are not limited to the following:

1. The level of progress on current projects in relation to the project programme or, if such is not available/applicable, to the contractual construction period in general;
2. The degree to which previous projects have been completed within the contractual completion periods and/or extensions thereto, and the extend of penalties imposed;

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	<ol style="list-style-type: none"> <li>3. Project performance: time management &amp; programming of works, timeous ordering of materials and appointment of subcontractors;</li> <li>4. Financial management: payment to suppliers and cash flow problems;</li> <li>5. Quality of workmanship: extent of reworks and timeous attention to remedial works;</li> <li>6. Personnel resources: suitably qualified and experienced, turnover in site staff and labour force, specifically site manager and foreman;</li> <li>7. Personnel management: extent of labour disputes and ability to resolving labour disputes amicably;</li> <li>8. Sub-contractors: extent of turnover in subcontractors, general liaison and payment problems experienced;</li> <li>9. Contract administration: contractual aspects such as complying to laws and regulations, insurances, security, submission of required documentation timeously, reaction to written contract instructions, appointments of subcontractors, etc. as can generally be expected in standard/normal conditions of contract.</li> <li>10. Health &amp; Safety: adherence to regulations and compliance, and number of transgressions &amp; serious incidents.</li> <li>11. Plant &amp; equipment: sufficient resources on site and in time.</li> <li>12. Delays: extent of causing delays, submission of claims timeously, and abuse of or exaggerated delay claims.</li> <li>13. Final account: extent to which the contractor assisted in finalising the final account.</li> </ol> <p><b>Criterion 3: Suitably qualified and appropriately experienced human resources</b></p> <p>Allocation of suitably qualified and appropriately experienced human resources, both in respect of principals and/or other staff (contract manager, site agent, site foreman including other professional, technical and/or administrative) of the tendering Service Provider to the project, as proof that the tendering Service Provider will be able to react/respond appropriately to the Services required herein. The Company Organogram with CV's and certified ID's of all principals and employed workforce as well as proof of Professional Registration will be verified. Current and future workload of the tenderer in relation to capacity and capability will also be considered. The tenderer should demonstrate that he or she possesses the necessary professional and technical qualifications and -competence in relation to the scope of work and work to be undertaken.</p> <p><b>Criterion 4: Attendance of compulsory bid clarification meeting, if applicable</b></p> <p>If applicable, submission of confirmation of DPW-16.1 (PSB) attendance of compulsory bid clarification meeting or proof of attending the compulsory virtual meeting by a suitably qualified and experienced representative of the tenderer in terms of PA-04 (EC): Notice and Invitation to Tender.</p> <p><b>D.2 Commercial risks:</b></p> <p>The financial viability assessment evaluates the risk over the life of the construction period, as to whether the tenderer will be able to deliver the goods and services which are specified in the contract and / or be able to fulfil guarantees or warranties provided for in the contract in order to complete the project successfully for the amount tendered.</p> <p>Aspects to be considered include but are not limited to, the respective rates tendered, bank rating, financial capability and capacity whether the tenderer has or has access to sufficient financial resources to deliver the goods or services described in the tender documentation (including fulfilling any guarantees or warranty claims), whether the tenderer is not subject to any current or impending legal action (either formal proceedings or notification of legal action) which could impact on the financial standing of the tenderer or the delivery of the goods or services, financial report from auditors as proof of current liquidity, and company or any parent company or investor guarantee/s and financial statements.</p>
<b>C.2.7</b>	For particulars regarding a pre-tender site inspection meeting, see Notice and Invitation to Tender T1.1

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<p><b>C.2.12</b></p>	<p>If a tenderer wishes to submit an alternative tender offer, the only criteria permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements. A tenderer may submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted. Provided that the tenderer's main tender offer is according to specification and would under normal circumstances be recommended for acceptance, his alternative tender offer may also be considered for the purpose of the award of the contract.</p> <p>Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.</p> <p>Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.</p> <p>The modified Pricing Data must include an amount equal to 5% of the amount tendered for the alternative offer to cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed.</p> <p>Alternative tender offer permitted: <span style="float: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span></p>
<p><b>C.2.13.2</b></p>	<p>The list of Returnable Documents identifies which of the documents a tenderer must complete when submitting a tender offer. The tenderer must submit his tender offer by completing the Returnable Documents, signing the "Offer" section in the "Form of Offer and Acceptance" and delivering the Returnable Documents back to the Department.</p>
<p><b>C.2.13.5</b></p>	<p>The Employer's address for delivery of tender offers and identification details to be shown on each tender offer package are as per Notice and Invitation to Tender T1.1.</p>
<p><b>C.2.13.6</b> <b>C.3.5</b></p>	<p>A two-envelope procedure will not be followed.</p>
<p><b>C.2.15</b></p>	<p>The closing time for submission of tender offers is as per Notice and Invitation to Tender T1.1.</p>
<p><b>C.2.16</b></p>	<p>The tender offer validity period is as per Notice and Invitation to Tender T1.1.</p>
<p><b>C2.16.3</b></p>	<p>Omit the wording of the last sentence for those projects which are subject to CPAP</p>
<p><b>C.2.18</b></p>	<p>The tenderer will be required to submit his fully priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts):</p> <p><input checked="" type="checkbox"/> Together with his tender; or <input type="checkbox"/> The tenderer shall submit his fully priced and completed sectional summary- and final summary pages with the tender and thereafter submit the fully completed Bills of Quantities within fourteen (14) calendar days of the date requested to do so prior to the award of the contract.</p>
<p><b>C.2.19</b></p>	<p>Access shall be provided for inspections, tests and analysis as may be required by the Employer.</p>
<p><b>C.3.4.1</b> <b>C.3.4.2</b></p>	<p>The location for opening of the tender offers, immediately after the closing time thereof shall be at: <b>Central Government Offices, cnr Bosman and Madiba Streets, Room 121, Pretoria on 31 January 2023 at 11:00</b></p>
<p><b>C.3.8</b></p>	<p>The words "responsive tender" and "acceptable tender" shall be construed to have the same meaning.</p>

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<b>C.3.9.3</b>	Omit the wording and replace with the following: “Notify the tenderer of all errors, omissions and/or rate imbalances that are identified in the tender offer and request the tenderer to, within a stipulated time, accept the total of prices as corrected in accordance with C.3.9.4.”
<b>C.3.9.4</b>	Omit the wording of the first sentence and replace with the following: “In cases where tender offers contain errors, omissions and/or rate imbalances, these are to be corrected as follows:”
<b>C.3.9.4</b>	Add sub paragraph c) to C.3.9.4, as follows: “c) If the tenderer does not accept the corrected tender offer, or cannot reach consensus with the Employer on a corrected tender offer, the tender is to be classified as not acceptable/non responsive and removed from further contention.”
<b>C.3.11.1</b>	The procedure for the evaluation of responsive tenders is Method 2: Financial Offer and Preference.
<b>C.3.13</b>	Add the following to sub paragraph a), as follows:  The tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act No. 12 of 2004) as a person prohibited from doing business with the public sector;
<b>C.3.17</b>	Provide to the successful tenderer one copy of the signed contract document.

# PA-04 (EC): NOTICE AND INVITATION TO TENDER

THE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE INVITES TENDERS FOR:

<b>Project title:</b>	SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING
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<b>Tender no:</b>	H22/037AI	<b>Reference no:</b>	21/1/2(47)
<b>Advertising date:</b>	30 November 2022	<b>Closing date:</b>	31 January 2023
<b>Closing time:</b>	11:00 a.m.	<b>Validity period:</b>	84 Calendar days

## 1. REQUIRED CIDB GRADING

It is estimated that tenderers should have a CIDB contractor grading designation of **6 GB** or **6 ME\*** or higher.  
\* Delete "or select tender value range select class of construction works" where only one class of construction works is applicable

It is estimated that potentially emerging enterprises should have a CIDB contractor grading designation of **select tender value range select class of construction works PE** or **select tender value range select class of construction works PE\*** or higher.

\* Delete "or select tender value range select class of construction works PE" where only one class of construction works is applicable

## 2. RESPONSIVENESS CRITERIA

### 2.1 Substantive responsiveness criteria

Only tenderers who are responsive to the following substantive responsiveness criteria are eligible to submit tenders. Failure to comply with the criteria stated hereunder shall result in the tender offer being disqualified from further consideration:

1	<input checked="" type="checkbox"/>	Only those tenderers who satisfy the eligibility criteria stated in the Tender Data may submit tenders.
2	<input checked="" type="checkbox"/>	Tender offer must be properly received on the tender closing date and time specified on the invitation, fully completed either electronically (if issued in electronic format), or by writing legibly in non-erasable ink. (All as per Standard Conditions of Tender).
3	<input checked="" type="checkbox"/>	Use of correction fluid is prohibited.
4	<input checked="" type="checkbox"/>	Submission of (DPW-07 EC): Form of Offer and Acceptance.
5	<input checked="" type="checkbox"/>	Submission of (PA-16): Preference points claim form in terms of the Preferential Procurement Regulations 2017.
6	<input checked="" type="checkbox"/>	Submission of (PA – 36 and Annexure/s C): Declaration Certificate for Local Production and Content for designated sectors.
7	<input checked="" type="checkbox"/>	Submission of DPW-09 (EC): Particulars of Tenderer's Projects.
8	<input checked="" type="checkbox"/>	Submission of DPW-16 (EC): Site Inspection Meeting Certificate
9	<input checked="" type="checkbox"/>	Submission of record of attending compulsory virtual bid clarification / site inspection meeting.
10	<input type="checkbox"/>	Submission of DPW-21 (EC): Record of Addenda to tender documents
11	<input type="checkbox"/>	The tenderer shall submit his fully priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts) together with his tender.

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12	<input type="checkbox"/>	The tenderer shall submit his fully priced and completed sectional summary- and final summary pages with the tender.
13	<input type="checkbox"/>	Submission of Proof of 30% Subcontracting participation and related documents in terms of the Preferential Procurement Regulations 2017
14	<input checked="" type="checkbox"/>	Submission of B-BBEE Certificate or Sworn Affidavit Level 1 and Level 2
15	<input type="checkbox"/>	
16	<input type="checkbox"/>	
17	<input type="checkbox"/>	
18	<input type="checkbox"/>	

**2.2 Administrative responsiveness criteria**

The Employer reserves the right to request further information regarding the undermentioned criteria. Failing to submit further clarification and/or documentation within seven (7) calendar days from request or as specifically indicated, will disqualify the tender offer from further consideration.

1	<input checked="" type="checkbox"/>	Any correction to be initialled by the person authorised to sign the tender documentation as per PA 15.1 or PA 15.2 resolution of board/s of directors / or PA15.3 Special Resolution of Consortia or JV's .
2	<input checked="" type="checkbox"/>	Submission of applicable (PA-15.1, PA-15.2, PA-15.3): Resolution by the legal entity, or consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.
3	<input checked="" type="checkbox"/>	Submission of (PA-11): Bidder's disclosure.
4	<input checked="" type="checkbox"/>	Submission of (PA 40): Declaration of Designated Groups for Preferential Procurement.
5	<input checked="" type="checkbox"/>	Submission of proof of Registration on National Treasury's Central Supplier Database (CSD).
6	<input checked="" type="checkbox"/>	Submission of DPW-15 (EC): Schedule of proposed sub-contractors
7	<input type="checkbox"/>	The tenderer shall submit his fully priced Bills of Quantities (complete document inclusive of all parts) within 14 days from request.
8	<input checked="" type="checkbox"/>	Upon request, submission of fingerprints obtainable from local SAPS including any other additional documentation and information required for vetting purposes.
9	<input type="checkbox"/>	Upon request, submission of a fully completed security clearance application form with supporting documentation and information as required. The security clearance form will be provided by the Employer for projects requiring a security clearance.
10	<input checked="" type="checkbox"/>	Submission of DPW-21 (EC): Record of Addenda to tender documents
11	<input checked="" type="checkbox"/>	EPWP Declaration: Fully completed and signed a declaration to ensure compliance

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12	<input checked="" type="checkbox"/>	Submission of signed Annexure A for Plant utility vehicles, machinery, and equipment available
13	<input checked="" type="checkbox"/>	Sworn Affidavit for the Full-Time employment of workforce for the duration of this project (As indicated in Functionality Criteria 1)
14	<input type="checkbox"/>	
15	<input type="checkbox"/>	

### 3. PREQUALIFICATION CRITERIA

**Preferential procurement prequalification criteria is *applicable*.**

The Tenderer must comply with the following Prequalification criteria for Preferential Procurement as listed below:

<input checked="" type="checkbox"/>	A tenderer having stipulated minimum B-BBEE status level of contributor: <input checked="" type="checkbox"/> Level 1 or <input checked="" type="checkbox"/> Level 2 or <input type="checkbox"/> Level 3
<input type="checkbox"/>	<input type="checkbox"/> An EME or <input type="checkbox"/> A QSE or <input type="checkbox"/> An EME or QSE
<input type="checkbox"/>	A tenderer subcontracting a minimum of 30% to: <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people who are youth <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people who are women <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people with disabilities <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people living in rural or underdeveloped areas or townships <input type="checkbox"/> A co-operative which is at least 51% owned by black people <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people who are Military veterans <input type="checkbox"/> An EME or QSE



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**Functionality is applicable.**

**Note:** All bids involving the acquisition of engineering and construction works from cidb Grade 4 and above are subjected to functionality.

**Note:** Functionality will be applied as a prequalification criterion. Such criteria are used to establish minimum requirements where after bids will be evaluated solely on the basis of price and preference.

<b>Minimum functionality score to qualify for further evaluation:</b>	50
<b>Functionality criteria:</b>	<b>Weighting factor:</b>
<p><b>1.WORKFORCE</b></p> <p>The Service Provider to provide proof of the proposed Work Force (Project Specific Key Personnel) that will be Full-Time employed for the duration of this project.</p> <p>The Proposal to include the following required Personnel: (i) Site Agent/Foreman, (ii) Plumbers, (iii) Electricians, (iv) Air-Conditioner Technicians, (v) Carpenters, and (xi) Health &amp; safety officers, all of whom will be involved on this specific project.</p> <p><b>NOTE 1: FAILURE TO SUBMIT ALL REQUIRED KEY PERSONNEL WILL RESULT IN SERVICE PROVIDER NOT BEING ALLOCATED POINT(S).</b></p> <p>Note 2: Bidders must submit a sworn affidavit that these or similar qualified personnel will be employed after the award of the Tender and for the full duration of the project.</p> <p>Note 3: If any of the above services are to be sub-contracted, the bidder must submit proof of Registration on the National Treasury's Central Supplier Database (CSD) of the sub-contractor(s) and should indicate details of the sub-contractor(s) on the DPW-15 (EC) form</p> <p>Service Provider to provide the following:</p> <ol style="list-style-type: none"> <li>1) Company Organogram indicating all Key Personnel to be involved in this project.</li> <li>2) CV of each Key Personnel to be involved in this project.</li> <li>3) Copies of Qualifications of each Key Personnel to be involved in this project.</li> <li>4) Copies of Trade Test certificates for Plumbers, Electricians, and Air-Conditioner Technicians. Copies of Health and Safety Offices registration with SACPCMP as either Candidate or Construction Health and Safety Officer.</li> <li>5) IDs copies of Each Key Personnel to be involved in this project.</li> </ol> <p>Points Allocations:</p> <ol style="list-style-type: none"> <li>1) All Five (5) of the above included: 5 Points</li> <li>2) Four (4) of the above included: 4 Points</li> <li>3) Three (3) of the above included: 3 Points</li> <li>4) Two (2) of the above included: 2 Points</li> <li>5) One (1) of the above included: 1 Point</li> <li>6) No information provided: 0 Points</li> </ol>	30



<p><b>2. RELEVANT EXPERIENCE (REPAIR &amp; MAINTENANCE TYPE PROJECTS) - MAINTENANCE AND REPAIRS OF BUILDING SERVICES</b></p> <p>The service provider to provide a list of comparative projects with contactable references, for projects similar (or same) in nature and magnitude currently engaged in and/or completed during the past 10 years.</p> <p>Projects to be listed in DPW-09 (EC)</p> <p>Service Provider to provide Letters of Appointment and Completion Certificates of such projects.</p> <p>In case the service provider was a Subcontractor, copies of Letters of Appointment and Completion Certificates must be accompanied by Letter(s) of Appointment of the Main Contractor.</p> <p>Points allocations:</p> <p>5 projects or more = 5 points 4 projects = 4 points 3 projects = 3 points 2 projects = 2 points 1 project = 1 point No documentation submitted = 0</p> <p>Letters of appointment and/or Completion certificates of such projects should be attached for points to be awarded.</p>	<p>30</p>
<p><b>3. FINANCIAL CAPABILITY</b></p> <p>The service provider to submit adequate financial resources. Verifiable letter from the bank indicating the bank rating. The bank letter must be submitted with the tender document for the tenderer to qualify for the points.</p> <p>Points allocation:</p> <p>Bank Rating of "A" = 5 Bank Rating of "B" = 4 Bank Rating of "C" = 3 Bank Rating of "D" = 2 Bank Rating of "E" = 1 No Bank rating provided = 0</p> <p>The Bank Letter must not be older than three (3) months from the date of issue.</p>	<p>15</p>

<p><b>4. PROOF OF EQUIPMENT</b></p> <p>The Service provider to provide evidence of plant, utility vehicles, machinery, and instrumentation owned or to be hired/rented in order to be able to carry out the project.</p> <p>Submit proof of plant and utility vehicles owned or to be hired/rented from suppliers (Copies of Vehicle Registration or Agreement between bidder and supplier for rentals)</p> <p>Submit proof of Equipment and Hand Tools owned or to be hired/rented from suppliers. (You are required to submit your firm Asset Register signed by an authorized person in terms of PA-15.1:Resolution of Board of Directors or Agreement between Bidder and Supplier for rentals Equipment or Tools not less than 3 months).</p> <p>1) Utility Vehicles (minimum 2 vehicles) 2) Machinery 3) Hand Tools for the plumbing services, 4) Hand Tools for air-conditioning &amp; ventilation trades, and Electrical trades. 5) Hand Tools for construction &amp; building trades.</p> <p>Points allocation:</p> <p>1) All five (5) of the above or more equipment, machinery &amp; hand tools: 5 Points 2) All four (4) of the above equipment, machinery &amp; hand tools : 4 Points 3) All three (3) of the above equipment, machinery &amp; hand tools : 3 Points 4) All two (2) of the above equipment, machinery &amp; hand tools : 2 Points 5) One (1) of the above equipment, machinery &amp; hand tools : 1 Point 6) No information provided: 0 Points</p>	<p>25</p>
<p><b>Total</b></p>	<p><b>100 Points</b></p>

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#### 4. BID EVALUATION METHOD

This bid will be evaluated according to the preferential procurement model in the PPPFA: (Tick applicable preference point scoring system)

<input checked="" type="checkbox"/> <b>80/20</b> Preference points scoring system	<input type="checkbox"/> <b>90/10</b> Preference points scoring system	<input type="checkbox"/> <b>Either 80/20 or 90/10</b> Preference points scoring system
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In case where below/above R 50 000 000 is selected, the lowest acceptable tender will be used to determine the applicable preference point system.

#### 5. ELIGIBILITY IN RESPECT OF RISK TO THE EMPLOYER:

##### **Standard risk management assessment criteria in respect of tenders received for routine projects in the engineering and construction works environments:**

Tender offers will be evaluated by an Evaluation Committee based on the technical and commercial risk criteria listed hereunder. Each criterion carries the same weight / importance and will be evaluated individually based on reports presented to the Bid Evaluation Committee by the Professional Team appointed on the project. A tender offer will be declared non-responsive and removed from any further evaluation if any one criterion is found to present an unacceptable risk to the Employer.

In order for the evaluation reports to be prepared by the Professional Team, the Tenderer is obliged to provide comprehensive information on form DPW-09 (EC). Failure to complete the said form will cause the tender to be declared non-responsive and removed from any further consideration. The Employer reserves the right to request additional information over and above that which is provided by the Tenderer on said form. The information must be provided by the Tenderer within the stipulated time as determined by the Bid Evaluation Committee, failing which the tender offer will *mutatis mutandis* be declared non-responsive.

##### 5.1 Technical risks:

##### **Criterion 1: Experience on comparable projects during the past 10 years.**

The tendering Service Provider's experience on comparable projects during the past 10 years. The number of current and previous comparable projects performed by the Tenderer as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form DPW-09 (EC). Failing to provide contactable references will result in the tender offer will be *mutatis mutandis* declared non-responsive.

Aspects to be regarded as "comparable" includes (but may be extended according to circumstances): size of projects (measured against monetary value or other project quantifying parameters), nature of projects (building, engineering, high/low rise, etc.), locality/area of execution (site-specific influences, knowledge of local conditions, etc.), complexity of project, projects for similar client department irrespective of end purpose of buildings/facilities created or in progress of being created and time scales of projects (normal, fast track, etc.) and stage of its/their development.

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**Criterion 2: Contractual commitment and quality of performance on comparable projects during the past specify period between 10 years.**

Adherence to contractual commitments and quality of performance of comparable current and previous projects performed by the Tenderer during the past 10 years as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form DPW-09 (EC). Failing to provide contactable references will result in the tender offer be *mutatis mutandis* declared non-responsive.

Aspects to be considered include, but are not limited to the following:

1. The level of progress on current projects in relation to the project programme or, if such is not available/applicable, to the contractual construction period in general;
2. The degree to which previous projects have been completed within the contractual completion periods and/or extensions thereto, and the extend of penalties imposed;
3. Project performance: time management & programming of works, timeous ordering of materials and appointment of subcontractors;
4. Financial management: payment to suppliers and cash flow problems;
5. Quality of workmanship: extent of reworks and timeous attention to remedial works;
6. Personnel resources: suitably qualified and experienced, turnover in site staff and labour force, specifically site manager and foreman;
7. Personnel management: extent of labour disputes and ability to resolving labour disputes amicably;
8. Sub-contractors: extent of turnover in subcontractors, general liaison and payment problems experienced;
9. Contract administration: contractual aspects such as complying to laws and regulations, insurances, security, submission of required documentation timeously, reaction to written contract instructions, appointments of subcontractors, etc. as can generally be expected in standard/normal conditions of contract.
10. Health & Safety: adherence to regulations and compliance, and number of transgressions & serious incidents.
11. Plant & equipment: sufficient resources on site and in time.
12. Delays: extent of causing delays, submission of claims timeously, and abuse of or exaggerated delay claims.
13. Final account: extent to which the contractor assisted in finalising the final account.

**Criterion 3: Suitably qualified and appropriately experienced human resources**

Allocation of suitably qualified and appropriately experienced human resources, both in respect of principals and/or other staff (contract manager, site agent, site foreman including other professional, technical and/or administrative) of the tendering Service Provider to the project, as proof that the tendering Service Provider will be able to react/respond appropriately to the Services required herein. The Company Organogram with CV's and certified ID's of all principals and employed workforce as well as proof of Professional Registration will be verified. Current and future workload of the tenderer in relation to capacity and capability will also be considered. The tenderer should demonstrate that he or she possesses the necessary professional and technical qualifications and -competence in relation to the scope of work and work to be undertaken.

**Criterion 4: Attendance of compulsory bid clarification meeting, if applicable**

If applicable, submission of confirmation of DPW-16.1 (PSB) attendance of compulsory bid clarification meeting or proof of attending the compulsory virtual meeting by a suitably qualified and experienced representative of the tenderer in terms of PA-04 (EC): Notice and Invitation to Tender.

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**5.2 Commercial risks:**

The financial viability assessment evaluates the risk over the life of the construction period, as to whether the tenderer will be able to deliver the goods and services which are specified in the contract and / or be able to fulfil guarantees or warranties provided for in the contract in order to complete the project successfully for the amount tendered.

Aspects to be considered include but are not limited to, the respective rates tendered, bank rating, financial capability and capacity whether the tenderer has or has access to sufficient financial resources to deliver the goods or services described in the tender documentation (including fulfilling any guarantees or warranty claims), whether the tenderer is not subject to any current or impending legal action (either formal proceedings or notification of legal action) which could impact on the financial standing of the tenderer or the delivery of the goods or services, financial report from auditors as proof of current liquidity, and company or any parent company or investor guarantee/s and financial statements.

**6. CONTRACT PARTICIPATION GOAL TARGETS AND CIDB B.U.I.L.D. PROGRAMME**

The contractor shall achieve in the performance of the contract the following Contract Participation Goals (CPGs) as described in PG-01.2 (EC): Scope of Work and PG-02.2 (EC): Pricing Assumptions and in accordance with the feasibility study, which forms part of the specifications in the CPG Section of the Specification of this contract.

(a)	Minimum 30% Mandatory Subcontracting to SMMEs in accordance with the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017 as published in the Government Gazette Notice No. 40553 of 20 January 2017 – Condition of Tender.	<b>Not applicable</b>
(b)	Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>
(c)	Minimum Targeted Local Building Material Suppliers Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>
(d)	Minimum Targeted Local Labour Skills Development Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>
(e)	<b>cidb BUILD Programme:</b> Minimum Targeted Enterprise Development Contract Participation Goal in accordance with the cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>
(f)	<b>cidb BUILD Programme:</b> Minimum Targeted Contract Skills Development Goal in accordance with the cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

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(g)	DPWI National Youth Service training and development programme (NYS) – Condition of Contract.	<b>Applicable</b>
(h)	Labour Intensive Works – Condition of Contract.	<b>Not applicable</b>
(i)		<b>Not applicable</b>
(j)		<b>Not applicable</b>

## 7. COLLECTION OF TENDER DOCUMENTS

- Bid documents are available for free download on e-Tender portal [www.etenders.gov.za](http://www.etenders.gov.za)
- Alternatively; Bid documents may be collected during working hours at the following address 256 Madiba Street, Pretoria, 0001. A non-refundable bid deposit of R 500-00 is payable (cash only) on collection of the bid documents.

## 8. SITE INSPECTION MEETING

A pre-tender site inspection meeting will **be** held in respect of this tender. Attendance of said pre- tender site inspection meeting is **compulsory**

The particulars for said pre- tender site inspection meeting or virtual bid clarification / site inspection meeting. are:

<b>Venue:</b>	Acornhoek SAPS		
<b>Virtual meeting link:</b>	N/A		
<b>Date:</b>	19 January 2023	<b>Starting time:</b>	11:00 a.m.

## 9. ENQUIRIES

Enquiries related to tender documents may be addressed to:

<b>DPWI Project Manager:</b>	Shumani Lidovho	<b>Telephone no:</b>	0124061775
<b>Cellular phone no:</b>	0810379382	<b>Fax no:</b>	
<b>E-mail:</b>	Shumani.Lidovho		

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**10. DEPOSIT / RETURN OF TENDER DOCUMENTS**


Telegraphic, telephonic, telex, facsimile, electronic and / or late tenders will not be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

All tenders must be completed in non-erasable ink and submitted on the official forms – (forms not to be re-typed).

<p><b>Tender documents may be posted to:</b></p> <p>The Director-General Department of Public Works and Infrastructure Private Bag X 65 Pretoria 0001</p> <p><b>Attention:</b> <b>Procurement section: Room 121</b></p>	<p><b>OR</b></p>	<p><b>Deposited in the tender box at:</b></p> <p>256 Madiba Street Central Government Building (CGO) 256 Madiba Street, Pretoria Central 121</p>
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**11. COMPILED BY:**

<p>Shumani Lidovho</p>		<p>24 November 2022</p>
<p>Name of Project Manager</p>	<p>Signature</p>	<p>Date</p>

SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK,  
LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES:  
REPAIR AND UPGRADING



public works  
& infrastructure

Department:  
Public Works and Infrastructure  
**REPUBLIC OF SOUTH AFRICA**

## ***PART T2: RETURNABLE DOCUMENTS***



## PA-09 (EC): LIST OF RETURNABLE DOCUMENTS

<b>Project title:</b>	<b>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</b>		
<b>Tender / Quotation no:</b>	H22/038AI	<b>Reference no:</b>	21/1/2(47)
<b>Receipt Number:</b>			

### 1. RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

**Note:** Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

<b>Tender document name</b>	<b>Number of pages issued</b>	<b>Returnable document</b>
Form of Offer and Acceptance (DPW-07 EC)	4 Pages	Yes
Submission of Bidder's disclosure (PA-11)	3 Pages	Yes
Resolution of Board of Directors (PA-15.1) <i>(if applicable)</i>	1 Page	Yes
Resolution of Board of Directors to enter into Consortia or JV's (PA-15.2) <i>(if applicable)</i>	2 Pages	Yes
Special Resolution of Consortia or JV's (PA-15.3) <i>(if applicable)</i>	3 Pages	Yes
Preference points claim form in terms of the Preferential Procurement Regulations 2017 (PA – 16.1)	5 Pages	Yes
Declaration Certificate for Local Production and Content for designated sectors (PA – 36 and Annexure/s C)		Yes
Fully completed Declaration of Designated Groups for Preferential Procurement (PA 40)	2 Pages	Yes
Registration on National Treasury's Central Supplier Database (CSD).	-	Yes
Particulars of Tenderer's Projects (DPW-09 EC)	2 Pages	Yes
Site Inspection Meeting Certificate (DPW-16 EC) <i>(if applicable)</i> .	1 Page	Yes
Record of attending compulsory virtual bid clarification / site inspection meeting <i>(if applicable)</i> .	1 Page	No
Record of Addenda to tender documents (DPW-21 EC)	1 Page	Yes
Proof of 30% Subcontracting participation and related documents in terms of the Preferential Procurement Regulations 2017 <i>(if applicable)</i> .		
Declaration of EPWP Programme	1 Page	Yes
Medical Certificate for the Confirmation of Permanent Disabled Status (PA-14)	1 page	Yes

\* In compliance with the requirements of the cidb SFU Annexure G

Tender / Quotation no: H22/038A1

**2. ADDITIONAL RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES**

**Note:** Failure to submit the applicable documents will result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also C.2.18 of the Standard Conditions of Tender]

Tender document name	Number of pages issued	Returnable document
Any <u>additional</u> information required to complete a risk assessment ( <i>if applicable</i> )	-	Yes
Any correction to be initialled by the person authorised to sign the tender documentation as per PA 15.1 or PA 15.2 resolution of board/s of directors / or PA15.3 Special Resolution of Consortia or JV's .		
Submission of applicable (PA-15.1, PA-15.2, PA-15.3): Resolution by the legal entity, or consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.		

**3. RETURNABLE DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT**

**Note:** Failure to submit the applicable documents will result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also C.2.18 of the Standard Conditions of Tender]

Tender document name	Number of pages issued	Returnable document
Schedule of proposed sub-contractors (DPW-15 EC) ( <i>if applicable</i> )	1 Page	Yes
Particulars of Electrical Contractor (DPW-22 EC) ( <i>if applicable</i> )	1 Page	Yes
Mechanical / Electrical / Security Work material and equipment schedules ( <i>if applicable</i> )	Pages	Yes
Schedule for Imported Materials and Equipment (DPW-23 EC) ( <i>if applicable</i> )	1 Page	Yes

**4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT**

(Insert a tick in the "Returnable document" column to indicate which documents must be returned with the tender)

**Note:** Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

Tender document name	Number of pages issued	Returnable document
Priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts)	Pages	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Fully priced and completed sectional summary- and final summary pages with the tender.	Pages	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Tender / Quotation no: H22/038A1

Tender document name	Number of pages issued	Returnable document
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No

**5. ADDITIONAL INFORMATION THAT MAY BE REQUIRED FOR TENDER EVALUATION PURPOSES**

Legal Status of Tendering Entity: If the Tendering Entity is:	Documentation to be submitted with the tender, or which may be required during the tender evaluation:
a. A close corporation, incorporated prior to 1 May 2011 under the Close Corporations Act, 1984 (Act 69 of 1984, as amended)	Copies of the Founding Statement – CK1
b. A profit company duly registered as a private company.  [including a profit company that meets the criteria for a private company, whose Memorandum of Incorporation states that the company is a personal liability company in terms of Section 8(2)(c) of the Companies Act, 2008 (Act 71 of 2008, as amended)].	Copies of: i. Certificate of Incorporation – CM1; ii. Shareholding Certificates of all Shareholders of the company, plus a signed statement of the company's Auditor, certifying each Shareholder's ownership / shareholding percentage relative to the total; and/or iii. Memorandum of Incorporation in the case of a personal liability company.
c. A profit company duly registered as a private company in which any, or all, shares are held by one or more other close corporation(s) or company(ies) duly registered as profit or non-profit company(ies).	Copies of documents referred to in a. and/or b. above in respect of all such close corporation(s) and/or company(ies).
d. A profit company duly registered as a public company.	Copy of Certificate of Incorporation – CM1, and a signed statement of the company's Secretary or Auditor confirming that the company is a public company.
e. A non-profit company, incorporated in terms of Section 10 and Schedule 1 of the Companies Act, 2008 (Act 71 of 2008, as amended).	Copies of: i the Founding Statement – CK1; and ii the Memorandum of Incorporation setting out the object of the company, indicating the public benefit, cultural or social activity, or communal or group interest.
f. A natural person, sole proprietor or a Partnership	Copy(ies) of the Identity Document(s) of: i. such natural person/ sole proprietor, or each of the Partners to the Partnership.
g. A Trust	Deed of Trust duly indicating names of the Trustee(s) and Beneficiary (ies) as well as the purpose of the Trust and the mandate of the Trustees.

**Signed by the Tenderer**

<b>Name of representative</b>	<b>Signature</b>	<b>Date</b>

## PA- 29: CERTIFICATION OF INDEPENDENT BID DETERMINATION

<b>Project title:</b>	<b>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</b>		
<b>Tender no:</b>	<b>H22/037AI</b>	<b>Reference no:</b>	<b>21/1/2(47)</b>

### INTRODUCTION

1. This PA-29 [Certificate of Independent Bid Determination] must form part of all bids<sup>1</sup> invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).<sup>2</sup> Collusive bidding is a pe se prohibition meaning that it cannot be justified under any grounds.
3. Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
  - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
  - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
4. This form (PA-29) serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (PA-29) must be completed and submitted with the bid:

<sup>1</sup> Includes price quotations, advertised competitive bids, limited bids and proposals.

<sup>2</sup> Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

## CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

---

**(Bid Number and Description)**

in response to the invitation for the bid made by:

---

**(Name of Institution)**

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: \_\_\_\_\_ that:

**(Name of Bidder)**

1. I have read and I understand the contents of this Certificate.
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect.
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder.
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder.
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
  - (a) has been requested to submit a bid in response to this bid invitation;
  - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
  - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder.

6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium<sup>3</sup> will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - (a) prices;
  - (b) geographical area where product or service will be rendered (market allocation)
  - (c) methods, factors or formulas used to calculate prices;
  - (d) the intention or decision to submit or not to submit, a bid;
  - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
  - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

Name of Bidder	Signature	Date	Position

<sup>3</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

## PA-15.1: RESOLUTION OF BOARD OF DIRECTORS

**RESOLUTION** of a meeting of the Board of \*Directors / Members / Partners of:

\_\_\_\_\_ (Legally correct full name and registration number, if applicable, of the Enterprise)

Held at \_\_\_\_\_ (place)

on \_\_\_\_\_ (date)

**RESOLVED that:**

1. The Enterprise submits a Bid / Tender to the Department of Public Works in respect of the following project:

\_\_\_\_\_ (Project description as per Bid / Tender Document)

Bid / Tender Number: \_\_\_\_\_ (Bid / Tender Number as per Bid / Tender Document)

2. \*Mr/Mrs/Ms: \_\_\_\_\_

in \*his/her Capacity as: \_\_\_\_\_ (Position in the Enterprise)

and who will sign as follows: \_\_\_\_\_

be, and is hereby, authorised to sign the Bid / Tender, and any and all other documents and/or correspondence in connection with and relating to the Bid / Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Bid / Tender to the Enterprise mentioned above.

	Name	Capacity	Signature
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The bidding enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed.

**Note:**

1. \* Delete which is not applicable.
2. **NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Bidding Enterprise.
3. In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (attach proof of shareholding / ownership hereto).
4. Directors / Members / Partners of the Bidding Enterprise may alternatively appoint a person to sign this document on behalf of the Bidding Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
5. Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

**ENTERPRISE STAMP**



## PA-15.2: RESOLUTION OF BOARD OF DIRECTORS TO ENTER INTO CONSORTIA OR JOINT VENTURES

**RESOLUTION** of a meeting of the Board of \*Directors / Members / Partners of:

\_\_\_\_\_

\_\_\_\_\_

*(Legally correct full name and registration number, if applicable, of the Enterprise)*

Held at \_\_\_\_\_ *(place)*

on \_\_\_\_\_ *(date)*

### **RESOLVED that:**

1. The Enterprise submits a Bid /Tender, in consortium/Joint Venture with the following Enterprises:

\_\_\_\_\_

\_\_\_\_\_

*(List all the legally correct full names and registration numbers, if applicable, of the Enterprises forming the Consortium/Joint Venture)*

to the Department of Public Works in respect of the following project:

\_\_\_\_\_

\_\_\_\_\_

*(Project description as per Bid /Tender Document)*

Bid / Tender Number: \_\_\_\_\_ *(Bid / Tender Number as per Bid / Tender Document)*

2. \*Mr/Mrs/Ms: \_\_\_\_\_

in \*his/her Capacity as: \_\_\_\_\_ *(Position in the Enterprise)*

and who will sign as follows: \_\_\_\_\_

be, and is hereby, authorised to sign a consortium/joint venture agreement with the parties listed under item 1 above, and any and all other documents and/or correspondence in connection with and relating to the consortium/joint venture, in respect of the project described under item 1 above.

3. The Enterprise accepts joint and several liability with the parties listed under item 1 above for the due fulfilment of the obligations of the joint venture deriving from, and in any way connected with, the Contract to be entered into with the Department in respect of the project described under item 1 above.
4. The Enterprise chooses as its *domicilium citandi et executandi* for all purposes arising from this joint venture agreement and the Contract with the Department in respect of the project under item 1 above:

Physical address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ (code)

Postal Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ (code)

Telephone number: \_\_\_\_\_

Fax number: \_\_\_\_\_

	Name	Capacity	Signature
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The bidding enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed

**Note:**

- \* Delete which is not applicable.
- NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Bidding Enterprise.
- In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (attach proof of shareholding / ownership hereto).
- Directors / Members / Partners of the Bidding Enterprise may alternatively appoint a person to sign this document on behalf of the Bidding Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
- Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

**ENTERPRISE STAMP**

## PA-15.3: SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

**RESOLUTION** of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly bid for the project mentioned below: *(legally correct full names and registration numbers, if applicable, of the Enterprises forming a Consortium/Joint Venture)*

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_
4. \_\_\_\_\_  
\_\_\_\_\_
5. \_\_\_\_\_  
\_\_\_\_\_
6. \_\_\_\_\_  
\_\_\_\_\_
7. \_\_\_\_\_  
\_\_\_\_\_
8. \_\_\_\_\_  
\_\_\_\_\_

Held at \_\_\_\_\_ *(place)*

on \_\_\_\_\_ *(date)*

### RESOLVED that:

#### RESOLVED that:

- A. The above-mentioned Enterprises submit a Bid in Consortium/Joint Venture to the Department of Public Works in respect of the following project:

\_\_\_\_\_

\_\_\_\_\_

*(Project description as per Bid /Tender Document)*

Bid / Tender Number: \_\_\_\_\_ *(Bid / Tender Number as per Bid /Tender Document)*

PA-15.3: Special Resolution of Consortia or Joint Ventures

B. \*Mr/Mrs/Ms: \_\_\_\_\_

in \*his/her Capacity as: \_\_\_\_\_ (Position in the Enterprise)

and who will sign as follows: \_\_\_\_\_

be, and is hereby, authorised to sign the Bid, and any and all other documents and/or correspondence in connection with and relating to the Bid, as well as to sign any Contract, and any and all documentation, resulting from the award of the Bid to the Enterprises in Consortium/Joint Venture mentioned above.

C. The Enterprises constituting the Consortium/Joint Venture, notwithstanding its composition, shall conduct all business under the name and style of:

\_\_\_\_\_

D. The Enterprises to the Consortium/Joint Venture accept joint and several liability for the due fulfilment of the obligations of the Consortium/Joint Venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.

E. Any of the Enterprises to the Consortium/Joint Venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the Consortium/Joint Venture as mentioned under item D above.

F. No Enterprise to the Consortium/Joint Venture shall, without the prior written consent of the other Enterprises to the Consortium/Joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.

G. The Enterprises choose as the *domicilium citandi et executandi* of the Consortium/Joint Venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:

Physical address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (Postal code) \_\_\_\_\_

Postal Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (Postal code) \_\_\_\_\_

Telephone number: \_\_\_\_\_

Fax number: \_\_\_\_\_

PA-15.3: Special Resolution of Consortia or Joint Ventures

	Name	Capacity	Signature
1			
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3			
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15			

*The bidding enterprise hereby absolves the Department of Public Works & Infrastructure from any liability whatsoever that may arise as a result of this document being signed.*

**Note:**

1. \* Delete which is not applicable.
2. **NB:** This resolution must be signed by all the Duly Authorised Representatives of the Legal Entities to the consortium/joint venture submitting this tender, as named in item 2 of Resolution PA-15.2.
3. Should the number of the Duly Authorised Representatives of the Legal Entities joining forces in this tender exceed the space available above, additional names, capacity and signatures must be supplied on a separate page.
4. Resolution PA-15.2, duly completed and signed, from the separate Enterprises who participate in this consortium/joint venture, must be attached to this Special Resolution (PA-15.3).

## DPW-15 (EC): SCHEDULE OF PROPOSED SUBCONTRACTORS

<b>Project title:</b>	<b><i>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</i></b>		
<b>Tender no:</b>	<i>H22/037A1</i>	<b>Reference no:</b>	<i>21/1/2(47)</i>

We notify you that it is our intention to employ the following Subcontractors for work in this contract.

We confirm that all subcontractors who are contracted to construct a house are registered as home builders with the National Home Builders Registration Council.

	<b>Name and address of proposed Subcontractor</b>	<b>Nature and extent of work</b>	<b>Previous experience with Subcontractor</b>
<b>1</b>			
<b>2</b>			
<b>3</b>			
<b>4</b>			
<b>5</b>			

<b>Name of representative</b>	<b>Signature</b>	<b>Capacity</b>	<b>Date</b>

<b>Name of organisation:</b>	
------------------------------	--

## DPW-09 (EC): PARTICULARS OF TENDERER'S PROJECTS

<b>Project title:</b>	<b><i>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</i></b>		
<b>Tender / quotation no:</b>	H22/037AI	<b>Closing date:</b>	31 January 2023
<b>Advertising date:</b>	30 November 2022	<b>Validity period:</b>	84 days

### 1. PARTICULARS OF THE TENDERER'S CURRENT AND PREVIOUS COMMITMENTS

#### 1.1. Current projects

Projects currently engaged in	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commencement date	Contractual completion date	Current percentage progress
1						
2						
3						
4						
5						
6						
7						
8						

Tender no: **H22/002AI**

**1.2. Completed projects**

Projects completed in the previous 5 (five) years	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commencement date	Contractual completion date	Date of Certificate of Practical Completion
1						
2						
3						
4						
5						
6						
7						
8						
9						

Name of Tenderer	Signature	Date



## DPW-16 (EC): SITE INSPECTION MEETING CERTIFICATE

<b>Project title:</b>	<b><i>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</i></b>		
<b>Tender no:</b>	<i>H22/037AI</i>	<b>Reference no:</b>	<i>21/1/2(47)</i>
<b>Closing date:</b>	<i>31 January 2023</i>		

This is to certify that I, \_\_\_\_\_ representing  
 \_\_\_\_\_ in the company of  
 \_\_\_\_\_ visited the site on: **19 January**  
**2023**

I have made myself familiar with all local conditions likely to influence the work and the cost thereof. I further certify that I am satisfied with the description of the work and explanations given at the site inspection meeting and that I understand perfectly the work to be done, as specified and implied, in the execution of this contract.

Name of Tenderer	Signature	Date

Name of DPW Representative	Signature	Date

## PA-11: BIDDER'S DISCLOSURE

### 1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

### 2. Bidder's declaration

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest (1) in the enterprise, employed by the state?

**YES / NO**

- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

(1) the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?

**YES / NO**

2.2.1 If so, furnish particulars:

.....  
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

**YES / NO**

2.3.1 If so, furnish particulars:

.....  
.....

### 3 DECLARATION

I, the undersigned, (name).....  
in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.5 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.6 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

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<sup>2</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

3.7 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

..... Signature	..... Date
..... Position	..... Name of bidder

**This form has been aligned with SBD4**

## PA16: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

**NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017 AND THE AMENDED B-BBEE CODES.**

### 1. GENERAL CONDITIONS

1.1. The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2. The value of this bid is estimated to **Not Exceed** R50 000 000 (all applicable taxes included) and therefore the... **80/20**.....system shall be applicable.

1.3. Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.3.1 The maximum points for this bid are allocated as follows:

	POINTS
<b>1.3.1.1 PRICE</b>	<b>80</b>
<b>1.3.1.2 B-BBEE STATUS LEVEL OF CONTRIBUTION</b>	<b>20</b>
<b>Total points for Price and B-BBEE must not exceed</b>	<b>100</b>

1.4. Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5. An Exempted Micro Enterprise (EME) is only required to obtain a sworn affidavit or a certificate issued by Companies and intellectual property Commission (CIPC) confirming their annual turnover of R10 Million or less and level of black ownership to claim points.

1.6. Qualifying Small Enterprise (QSE) is only required to obtain a sworn affidavit or a certificate issued by Companies and intellectual property Commission (CIPC) confirming their annual turnover of R10 Million or less and level of black ownership to claim points.

- 1.7 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.
- 1.8 CERTIFICATES ISSUED BY IRBA AND ACCOUNTING OFFICER HAVE BEEN DISCONTINUED; HOWEVER VALID CERTIFICATES ALREADY ISSUED BEFORE 01 JANUARY 2017 MAY BE USED UNTIL THEY PHASE OUT COMPLETELY BY DECEMBER 2017

## 2. DEFINITIONS

- (a) **“all applicable taxes”** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **“B-BBEE status level of contributor”** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (d) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (f) **“comparative price”** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- (g) **“consortium or joint venture”** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- (h) **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- (i) **“EME”** means an Exempted Micro Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (j) **“Firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- (k) **“functionality”** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- (l) **“non-firm prices”** means all prices other than “firm” prices;
- (m) **“person”** includes a juristic person;
- (n) **“QSE”** means a Qualifying Small Enterprise as defines by Codes of Good Practice under



$P_{min}$  = Comparative price of lowest acceptable bid

## 5. Points awarded for B-BBEE Status Level of Contribution

5.1 In terms of Regulation 6(2) and /or 7(2), of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 5.2 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 5.3 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 5.4 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.5 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

## 6. BID DECLARATION

6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:



**7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1**

7.1 B-BBEE Status Level of Contribution: ..... = .....(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or Sworn Affidavit for EME's and QSE's.

**8 SUB-CONTRACTING (relates to 5.5)**

8.1 Will any portion of the contract be sub-contracted? YES / NO (delete which is not applicable)

8.1.1 If yes, indicate:

- (i) what percentage of the contract will be subcontracted? .....%
- (ii) the name of the sub-contractor? .....
- (iii) the B-BBEE status level of the sub-contractor? .....
- (iv) whether the sub-contractor is an EME/ a QSE YES / NO (delete which is not applicable)

<b>Designated Group: An EME or QSE which is at last 51% owned by:</b>	<b>EME</b> √	<b>QSE</b> √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
<b>OR</b>		
Any EME		
Any QSE		

**9 DECLARATION WITH REGARD TO COMPANY/FIRM**

9.1 Name of company/firm .....

9.2 VAT registration number .....

9.3 Company registration number .....

:

9.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....  
 .....  
 .....

9.6 COMPANY CLASSIFICATION

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

9.7 Total number of years the company/firm has been in business? .....

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate/ Sworn Affidavit, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct;
- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
  - (a) Disqualify the person from the bidding process;
  - (b) Recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
  - (c) Cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
  - (e) forward the matter for criminal prosecution

**WITNESSES:**

- 1. ....
- 2. ....

.....

**SIGNATURE(S) OF BIDDER(S)**

DATE:..... ADDRESS:.....

.....

## PA-14: MEDICAL CERTIFICATE FOR THE CONFIRMATION OF PERMANENT DISABLED STATUS

<b>Project title:</b>	<b>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</b>		
<b>Tender / Bid no:</b>	H22/037A1	<b>Reference no:</b>	21/1/2(47)

I, \_\_\_\_\_ (surname and name),  
 identity number, \_\_\_\_\_ do hereby declare that I am a registered medical  
 practitioner, with my practice number being \_\_\_\_\_, practising at  
 \_\_\_\_\_ (Physical or postal addresses)  
 declare that I have examined Mr. / Ms. \_\_\_\_\_,  
 identity number \_\_\_\_\_ and have found the said person to be  
 permanently disabled or having a recurring disability.

“Disability” means, in respect of a person, a permanent impairment of a physical, intellectual, or sensory function, which results in restricted, or lack of, ability to perform an activity in the manner, or within the range, considered normal for a human being.” –

The nature of the disability is as follows:

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Thus signed at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

OFFICIAL STAMP OF  
 MEDICAL PRACTITIONER

## DPW-21 (EC): RECORD OF ADDENDA TO TENDER DOCUMENTS

<b>Project title:</b>	<b>LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</b>		
<b>Tender no:</b>	H22/037AI	<b>Reference no:</b>	21/1/2(47)

1. I / We confirm that the following communications received from the Department of Public Works and Infrastructure before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer: *(Attach additional pages if more space is required)*

	<b>Date</b>	<b>Title or Details</b>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		

<b>Name of Tenderer</b>	<b>Signature</b>	<b>Date</b>

2. I / We confirm that no communications were received from the Department of Public Works and Infrastructure before the submission of this tender offer, amending the tender documents.

<b>Name of Tenderer</b>	<b>Signature</b>	<b>Date</b>

## DPW-22 (EC): PARTICULARS OF ELECTRICAL CONTRACTOR

<b>Project title:</b>	<b><i>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</i></b>		
<b>Tender no:</b>	H22/037AI	<b>Reference no:</b>	21/1/2(47)

<b>Name of Electrical Contractor:</b>	
<b>Address:</b>	
<b>Electrical Contractor registration number at the Department of Labour</b>	

Name of Tenderer	Signature	Date

## DPW-23 (EC): SCHEDULE FOR IMPORTED MATERIALS AND EQUIPMENT

<b>Project title:</b>	<b>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</b>		
<b>Tender no:</b>	H22/037AI	<b>Reference no:</b>	21/1/2(47)

This schedule should be completed by the tenderer. *(Attach additional pages if more space is required)*

Item	Material / Equipment	Rand (R) (Excluding VAT)
1.		R
2.		R
3.		R
4.		R
5.		R
6.		R

**The Contractor shall list imported items, materials and/or equipment which shall be excluded from the Contract Price Adjustment Provisions (if applicable) and shall be adjusted in terms of currency fluctuations only.** Copies of the supplier's quotations for the items, materials or equipment (provided that such costs shall not be higher than the relevant contract rate as listed above) should be lodged with the Principal Agent / Engineer of the Department of Public Works and Infrastructure within 60 (sixty) days from the date of acceptance of the tender. No adjustment of the local VAT amount, nor the contractor's profit, discount, mark-up, handling costs, etc. shall be allowed.

These net amounts will be adjusted as follows:

**FORMULA:**

The net amount to be added to or deducted from the contract sum:

$$A = V \left( \frac{Z}{Y} - 1 \right)$$

A = the amount (R) of adjustment

V = the net amount (supplier's quotation) (R) of the imported item

Y = exchange rate at the closing date of tender submission

Z = exchange rate on the date of payment.

Name of Tenderer	Signature	Date

## PA-36: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

### 1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

- x is the imported content in Rand  
y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) on the date of advertisement of the bid as indicated in paragraph 3.1 below.

**The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.**



## PA36: Declaration Certificate for Local Production and Content for Designated Sectors.

(This form has been aligned with NT - SBD 6.2)

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;
2. **The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

No.	Description of services, works or goods	Stipulated minimum threshold
	<b>Textile, clothing, leather and footwear:</b>	
	Overalls, hardhats and footwear	100%
	General Personal Protective Equipment (PPE)	100%
<b>1</b>	<b>Structural and building:</b>	
1.1	Roof cladding and sheeting	100%
1.2	Ridge flashing, side wall flashing, gable flashing and valley flashing	100%
1.3	Rain water goods: gutters, downpipes and brackets	100%
1.4	Cement concrete applications	100%
1.5	Structural steel reinforcement	100%
1.6	Joining and connecting components	100%
1.7	Structural pipework/tubing and holding down bolts	100%
1.8	Steel plates and sheets	100%
1.9	Frames	100%
1.10	Fasteners	100%
1.11	Wire products	100%
1.12	Steel door and frames	100%
1.13	Steel window frames	100%
1.14	Steel garage doors and frames	100%
1.15	Wooden doors: Solid laminated, semi-solid core, flash back hardwood and cupboard doors	100%
1.16	Ironmongery, steel work and glass: Window pegs and stays, sliding stays and window handles, aluminum frames and gear and locksets	100%
1.17	Window blinds	100%
1.18	Mirror glass	100%
1.19	Floor tiles	100%
1.20	Wall tiles	100%

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

Page 2 of 6





## PA36: Declaration Certificate for Local Production and Content for Designated Sectors.

(This form has been aligned with NT - SBD 6.2)

1.21	Vinyl floor tiles	100%
1.22	Durable enamel, PVA, stoep, water proofing and paints	100%
1.23	Ultra violet light resistant exterior solvent based varnish	100%
<b>2</b>	<b>Plumbing, drainage and wet services:</b>	
2.1	Sanitary ware: Water closets, wash hand basins, urinals and baths	100%
2.2	Sanitary ware and brassware	100%
2.3	Underground sanitary drainage uPVC pipework	100%
2.4	Domestic geysers	100%
2.5	Water meters	100%
2.6	Shut-off valves, strainers, non-return valves, expansion relief valves and safety valves	70%
2.7	Solar water heaters and all components	70%
<b>3</b>	<b>Building and site electrical:</b>	
3.1	Distribution boards	100%
3.2	Lightning protection devices	100%
3.3	Surge protection devices	100%
3.4	kWh meters	100%
3.5	Luminaires	100%
3.6	Photo-electric switches	100%
3.7	Electric wire and cables	80%
3.8	Steel distribution kiosks	100%
3.9	Geyser and components	100%
3.10	Fridge components	30%
<b>4</b>	<b>External lighting and medium and low voltage:</b>	
4.1	uPVC sleeves	100%
4.2	Bare copper earth conductors	80%
4.3	Luminaires	30%
<b>5</b>	<b>Heating, ventilation and air-conditioning and refrigeration systems:</b>	
5.1	Air-condition units split type	80%
5.2	Fresh Air Ventilation	50%
<b>6</b>	<b>Conventional fire-fighting equipment:</b>	
6.1	Fire extinguishers	100%
6.5	Signage for fire-fighting equipment	100%

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

Page 3 of 6



**PA36: Declaration Certificate for Local Production and Content for Designated Sectors.**

(This form has been aligned with NT - SBD 6.2)

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- 3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on [www.resbank.co.za](http://www.resbank.co.za)

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

**LOCAL CONTENT DECLARATION**  
**(REFER TO ANNEX B OF SATS 1286:2011)**

**LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

**IN RESPECT OF BID NO.** .....

**ISSUED BY:** (Procurement Authority / Name of Institution):  
.....

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on [http://www.thedti.gov.za/industrial\\_development/ip.jsp](http://www.thedti.gov.za/industrial_development/ip.jsp). Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of .....(name of bidder  
entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
  - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	

Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".



**PA36: Declaration Certificate for Local Production and Content for Designated Sectors.**

*(This form has been aligned with NT - SBD 6.2)*

Local content %, as calculated in terms of SATS 1286:2011	
---	--

**If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.**

**The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.**

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

## **Guidance Document for the Calculation of Local Content**

### **1. DEFINITIONS**

Unless explicitly provided in this guideline, the definitions given in SATS 1286:2011 apply.

### **2. GENERAL**

#### **2.1. Introduction**

This guideline provides tenderers with a detailed description of how to calculate local content of products (goods, services and works) by components/material/services and enables them to keep an updated record for verification requirements as per the SATS 1286:2011 Annexure A and B.

The guideline consists of two parts, namely:

- a written guideline; and
- three declarations that must be completed:
  - Declaration C: “Local Content Declaration – Summary Schedule” (see Annexure C);
  - Declaration D: “Imported Content Declaration – Supporting Schedule to Annex C” (see Annexure D); and
  - Declaration E: “Local Content Declaration – Supporting Schedule to Annex C” (see Annexure E).

The guidelines and declarations should be used by tenderers when preparing a tender. A tenderer must complete Declarations D and E, and consolidate the information on Declaration C.

Annexure C must be submitted with the tender by the closing date and time as determined by the Tender Authority. The Tender Authority reserves the right to request that Declarations D and E also be submitted.

If the tender is successful, the tenderer must continuously update Declarations C, D and E with actual values for the duration of the contract.

**NOTE:**

Annexure A is a note to the purchaser in SATS 1286:2011; and  
Annexure B is the Local Content Declaration IN SATS 1286:2011.

**2.2. What is local content?**

According to SATS 1286:2011, the local content of a product is the tender price less the value of imported content, expressed as a percentage. It is, therefore, necessary to first compute the imported value of a product to determine the local content of a product.

**2.3. Categories: Imported and Local Content**

The tenderer must differentiate between imported content and local content.

Imported content of a product by components/material/services is separated into two categories, namely:

- products imported directly by the tenderer; and
- products imported by a third party and supplied to the tenderer.

**2.3.1. Imported Content**

Identify the imported content, if any, by value for products by component/material/services. In the case of components/materials/services sourced from a South African manufacturer, agent, supplier or subcontractor (i.e. third party), obtain that information and Declaration D from the third party.

Calculate the imported content of components/materials/services to be used in the manufacture of the total quantity of the products for which the tender is to be submitted.

As stated in clause 3.2.4 of SATS 1286:2011: "If information on the origin of components, parts or materials is not available, it will be deemed to be imported content."

#### 2.3.1.1. Imported directly by the tenderer:

When the tenderer import products directly, the onus is on the tenderer to provide evidence of any components/materials/services that were procured from a non-domestic source. The evidence should be verifiable and pertain to the tender as a whole. Typical evidence will include commercial invoices, bills of entry, etc.

When the tenderer procures imported services such as project management, design, testing, marketing, etc and makes royalty and lease payments, such payments relating to the tender must be included when calculating imported content.

#### 2.3.1.2. Imported by a third party and supplied to the tenderer:

When the tenderer supplies components/material/services that are imported by any third party (for example, a domestic manufacturer, agent, supplier or subcontractor in the supply chain), the onus is on the tenderer to obtain verifiable evidence from the third party.

The tenderer must obtain Declaration D from all third parties for the related tender. The third party must be requested by the tenderer to continuously update Declaration D. Typical evidence of imported content will include commercial invoices, bills of entry etc.

When a third party procures imported services such as project management, design, testing, marketing etc. and makes royalty and lease payments, such payments relating to the tender must be included when calculating imported content.

#### 2.3.1.3. Exempt Imported Content:

Exemptions, if any, are granted by the Department of Trade and Industry (**the dti**). Evidence of the exemptions must be provided and included in Annexure D.

#### **2.3.2. Local Content**

Identify and calculate the local content, by value for products by components/materials/services to be used in the manufacture of the total quantity of the products.



### **3. ANNEXURE C**

#### **3.1. Guidelines for completing Annexure C: Local Content Declaration – Summary Schedule**

*Note: The paragraph numbers correspond to the numbers in Annexure C.*

##### **C1. Tender Number**

Supply the tender number that is specified on the specific tender documentation.

##### **C2. Tender description**

Supply the tender description that is specified on the specific tender documentation.

##### **C3. Designated products**

Supply the details of the products that are designated in terms of this tender (i.e. buses).

##### **C4. Tender Authority**

Supply the name of the tender authority.

##### **C5. Tendering Entity name**

Provide the tendering entity name (for example, Unibody Bus Builders (Pty) Ltd).

##### **C6. Tender Exchange Rate**

Provide the exchange rate used for this tender, as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

##### **C7. Specified local content %**

Provide the specified minimum local content requirement for the tender (i.e. 80%), as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MDB) 6.2.

##### **C8. Tender item number**

Provide the tender item number(s) of the products that have a local content requirement as per the tender specification.

**C9. List of items**

Provide a list of the item(s) corresponding with the tender item number.  
This may be a short description or a brand name.

**Calculation of local content**

**C10. Tender price**

Provide the unit tender price of each item excluding VAT.

**C11. Exempted imported content**

Provide the ZAR value of the exempted imported content for each item, if applicable. These value(s) must correspond with the value(s) of column D16 on Annexure D.

**C12. Tender value net of exempted imported content**

Provide the net tender value of the item, if applicable, by deducting the exempted imported content (C11) from the tender price (C10).

**C13. Imported value**

Provide the ZAR value of the items' imported content.

**C14. Local value**

Provide the local value of the item by deducting the Imported value (C13) from the net tender value (C12).

**C15. Local content percentage (per item)**

Provide the local content percentage of the item(s) by dividing the local value (C14) by the net tender value (C12) as per the local content formula in SATS 1286.

**Tender Summary**

**C16. Tender quantity**

Provide the tender quantity for each item number as per the tender specification.

**C17. Total tender value**

Provide the total tender value by multiplying the tender quantity (C16) by the tender price (C10).

**C18. Total exempted imported content**

Provide the total exempted imported content by multiplying the tender quantity (C16) by the exempted imported content (C11). These values must correspond with the values of column D18 on Annexure D.

**C19. Total imported content**

Provide the total imported content of each item by multiplying the tender quantity (C16) by the imported value (C13).

**C20. Total tender value**

Total tender value is the sum of the values in column C17.

**C21. Total exempted imported content**

Total exempted imported content is the sum of the values in column C18. This value must correspond with the value of D19 on Annexure D.

**C22. Total tender value net of exempted imported content**

The total tender value net of exempt imported content is the total tender value (C20) less the total exempted imported content (C21).

**C23. Total imported content**

Total imported content is the sum of the values in column C19. This value must correspond with the value of D53 on Annexure D.

**C24. Total local content**

Total local content is the total tender value net of exempted imported content (C22) less the total imported content (C23). This value must correspond with the value of E13 on Annexure E.

**C25. Average local content percentage of tender**

The average local content percentage of tender is calculated by dividing total local content (C24) by the total tender value net of exempted imported content (C22).

## 4. ANNEXURE D

### 4.1. Guidelines for completing Annexure D: “Imported Content Declaration – Supporting Schedule to Annexure C”

*Note: The paragraph numbers correspond to the numbers in Annexure D.*

**D1. Tender number**

Supply the tender number that is specified on the specific tender documentation.

**D2. Tender description**

Supply the tender description that is specified on the specific tender documentation.

**D3. Designated products**

Supply the details of the products that are designated in terms of this tender (i.e. buses).

**D4. Tender authority**

Supply the name of the tender authority.

**D5. Tendering entity name**

Provide the tendering entity name (i.e. Unibody Bus Builders (Pty) Ltd).

**D6. Tender exchange rate**

Provide the exchange rate used for this tender, as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

**Table A. Exempted Imported Content**

**D7. Tender item number**

Provide the tender item number(s) of the product(s) that have imported content.

**D8. Description of imported content**

Provide a list of the exempted imported product(s), if any, as specified in the tender.

**D9. Local supplier**

Provide the name of the local supplier(s) supplying the imported product(s).

**D10. Overseas supplier**

Provide the name(s) of the overseas supplier(s) supplying the exempted imported product(s).

**D11. Imported value as per commercial invoice**

Provide the foreign currency value of the exempted imported product(s) disclosed in the commercial invoice accepted by the South African Revenue Service (SARS).

**D12. Tender exchange rate**

Provide the exchange rate used for this tender as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

**D13. Local value of imports**

Convert the value of the exempted imported content as per commercial invoice (D11) into the ZAR value by using the tender exchange rate (D12) disclosed in the tender documentation.

**D14. Freight costs to port of entry**

Provide the freight costs to the South African Port of the exempted imported item.

**D15. All locally incurred landing costs and duties**

Provide all landing costs including customs and excise duty for the exempted imported product(s) as stipulated in the SATS 1286:2011.

**D16. Total landed costs excl VAT**

Provide the total landed costs (excluding VAT) for each item imported by adding the corresponding item values in columns D13, D14 and D15. These values must be transferred to column C11 on Annexure C.

**D17. Tender quantity**

Provide the tender quantity of the exempted imported products as per the tender specification.

**D18. Exempted imported value**

Provide the imported value for each of the exempted imported product(s) by multiplying the total landed cost (excl. VAT) (D16) by the

tender quantity (D17). The values in column D18 must correspond with the values of column C18 of Annexure C.

**D19. Total exempted imported value**

The total exempted imported value is the sum of the values in column D18. This total must correspond with the value of C21 on Annexure C.

**Table B. Imported Directly By Tenderer**

**D20. Tender item numbers**

Provide the tender item number(s) of the product(s) that have imported content.

**D21. Description of imported content:**

Provide a list of the product(s) imported directly by tender as specified in the tender documentation.

**D22. Unit of measure**

Provide the unit of measure for the product(s) imported directly by the tenderer.

**D23. Overseas supplier**

Provide the name(s) of the overseas supplier(s) supplying the imported product(s).

**D24. Imported value as per commercial Invoice**

Provide the foreign currency value of the product(s) imported directly by tenderer disclosed in the commercial invoice accepted by the South African Revenue Service (SARS).

**D25. Tender rate of exchange**

Provide the exchange rate used for this tender as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

**D26. Local value of imports**

Convert the value of the product(s) imported directly by the tenderer as per commercial invoice (D24) into the ZAR value by using the tender exchange rate (D25) disclosed in the tender documentation.

**D27. Freight costs to port of entry**

Provide the freight costs to the South African Port of the product(s) imported directly by the tenderer.

**D28. All locally incurred landing costs and duties**

Provide all landing costs including customs and excise duty for the product(s) imported directly by the tenderer as stipulated in the SATS 1286:2011.

**D29. Total landed costs excl VAT**

Provide the total landed costs (excluding VAT) for each item imported directly by the tenderer by adding the corresponding item values in columns D26, D27 and D28.

**D30. Tender quantity**

Provide the tender quantity of the product(s) imported directly by the tenderer as per the tender specification.

**D31. Total imported value**

Provide the total imported value for each of the product(s) imported directly by the tenderer by multiplying the total landed cost (excl. VAT) (D29) by the tender quantity (D30).

**D32. Total imported value by tenderer**

The total value of imports by the tenderer is the sum of the values in column D31.

**Table C. Imported by Third Party and Supplied to the Tenderer**

**D33. Description of imported content**

Provide a list of the product(s) imported by the third party and supplied to the tenderer as specified in the tender documentation.

**D34. Unit of measure**

Provide the unit of measure for the product(s) imported by the third party and supplied to tenderer as disclosed in the commercial invoice.

**D35. Local supplier**

Provide the name of the local supplier(s) supplying the imported product(s).

**D36. Overseas supplier**

Provide the name(s) of the overseas supplier(s) supplying the imported products.

**D37. Imported value as per commercial invoice**

Provide the foreign currency value of the product(s) imported by the third party and supplied to the tenderer disclosed in the commercial invoice accepted by SARS.

**D38. Tender rate of exchange**

Provide the exchange rate used for this tender as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

**D39. Local value of imports**

Convert the value of the product(s) imported by the third party as per commercial invoice (D37) into the ZAR value by using the tender exchange rate (D38) disclosed in the tender documentation.

**D40. Freight costs to port of entry**

Provide the freight costs to the South African Port of the product(s) imported by third party and supplied to the tenderer.

**D41. All locally incurred landing costs and duties**

Provide all landing costs including customs and excise duty for the product(s) imported by third party and supplied to the tenderer as stipulated in the SATS 1286:2011.

**D42. Total landed costs excluding VAT**

Provide the total landed costs (excluding VAT) for each product imported by third party and supplied to the tenderer by adding the corresponding item values in columns D39, D40 and D41.

**D43. Quantity imported**

Provide the quantity of each product(s) imported by third party and supplied to the tenderer for the tender.

**D44. Total imported value**

Provide the total imported value of the product(s) imported by third party and supplied to the tenderer by multiplying the total landed cost (D42) by the quantity imported (D43).



**D45. Total imported value by third party**

The total imported value from the third party is the sum of the values in column D44.

**Table D. Other Foreign Currency Payments**

**D46. Type of payment**

Provide the type of foreign currency payment. (i.e. royalty payment for use of patent, annual licence fee, etc).

**D47. Local supplier making the payment**

Provide the name of the local supplier making the payment.

**D48. Overseas beneficiary**

Provide the name of the overseas beneficiary.

**D49. Foreign currency value paid**

Provide the value of the listed payment(s) in their foreign currency.

**D50. Tender rate of exchange**

Provide the exchange rate used for this tender as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

**D51. Local value of payments**

Provide the local value of each payment by multiplying the foreign currency value paid (D49) by the tender rate of exchange (D50).

**D52. Total of foreign currency payments declared by tenderer and/or third party**

The total of foreign currency payments declared by tenderer and/or a third party is the sum of the values in column D51.

**D53. Total of imported content and foreign currency payment**

The total imported content and foreign currency payment is the sum of the values in column D32, D45 and D52. This value must correspond with the value of C23 on Annexure C.

## 5. ANNEXURE E

### 5.1. Guidelines to completing Annexure E: “Local Content Declaration- Supporting Schedule to Annexure C”

*The paragraph numbers correspond to the numbers in Annexure E*

#### **E1. Tender number**

Supply the tender number that is specified on the specific tender documentation.

#### **E2. Tender description**

Supply the tender description that is specified on the specific tender documentation.

#### **E3. Designated products**

Supply the details of the products that are designated in terms of this tender (for example, buses/canned vegetables).

#### **E4. Tender authority**

Supply the name of the tender authority.

#### **E5. Tendering entity name**

Provide the tendering entity name (for example, Unibody Bus Builders (Pty) Ltd) Ltd).

#### **Local Goods, Services and Works**

#### **E6. Description of items purchased**

Provide a description of the items purchased locally in the space provided.

#### **E7. Local supplier**

Provide the name of the local supplier that corresponds to the item listed in column E6.

#### **E8. Value**

Provide the total value of the item purchased in column E6.

**E9. Total local products (Goods, Services and Works)**

Total local products (goods, services and works) is the sum of the values in E8.

**E10. Manpower costs:**

Provide the total of all the labour costs accruing only to the tenderer (i.e. not the suppliers to tenderer).

**E11. Factory overheads:**

Provide the total of all the factory overheads including rental, depreciation and amortisation for local and imported capital goods, utility costs and consumables. (Consumables are goods used by individuals and businesses that must be replaced regularly because they wear out or are used up. Consumables can also be defined as the components of an end product that are used up or permanently altered in the process of manufacturing, such as basic chemicals.)

**E12. Administration overheads and mark-up:**

Provide the total of all the administration overheads, including marketing, insurance, financing, interest and mark-up costs.

**E13. Total local content:**

The total local content is the sum of the values of E9, E10, E11 and E12. This total must correspond with C24 of Annexure C.

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Edition 1

## **SABS STANDARDS DIVISION**

Technical specification

### **Local goods, services and works — Measurement and verification of local content**

This document does not have the status of a South African National Standard.

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**SABS**

**SATS 1286:2011**  
Edition 1

**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>

**Foreword**

This South African technical specification was approved by National Committee SABS TC 180, *Conformity assessment (CASCO)*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This SATS was published in November 2011.

This document is being issued as a South African technical specification because there is a need for clarity and the ability to measure and validate the local content of goods, works and services in order to implement a procurement system that takes the local content into account.

This document will in future be revised and issued as a national standard.

Reference is made in 1.1 and 2.6 to the "relevant national legislation". In South Africa, this means the Preferential Procurement Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

Reference is made in the note to 2.10 to a "national accreditation body". In South Africa, this means the South African National Accreditation System (SANAS).

Reference is made in 5.1(a) to an "accredited verification body". In South Africa, this means a body accredited by the South African National Accreditation System (SANAS).

Reference is made in 5.1(b) to an "independent registered auditor". In South Africa, this means a registered auditor approved by the Independent Regulatory Board for Auditors (IRBA) in terms of the Auditing Profession Act, 2005 (Act No. 26 of 2005).

Annexes A and B form an integral part of this document.

**Introduction**

Preferential procurement policies and their associated regulations, such as local content requirements, are mechanisms used by the government and organs of state in the adjudication of tenders, to give consideration to procuring locally manufactured products that comply with specified requirements. Governments may identify specific industries which are deemed to be of critical importance to the economic sustainability and industrial development of their country.

In order to calculate and verify local content, a standardized approach is essential, and this document specifies the approach used in South Africa.

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Edition 1

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## Local goods, services and works — Measurement and verification of local content

### 1 Scope

**1.1** This technical specification specifies requirements and procedures to define, measure, declare and verify the local content of goods, services and works when required for procurement and other purposes, in terms of the relevant national legislation (see foreword):

**NOTE** The product should contain no less than the level of local content as determined by the relevant national legislation (see foreword) and other procurement requirements.

**1.2** This technical specification does not specify the required safety, quality or other properties of the product.

The responsibility to include the above requirements rests with the procurement authority.

### 2 Definitions

For the purposes of this document, the following definitions apply.

#### 2.1

##### **component**

elementary part (element or portion) of a product

#### 2.2

##### **Imported content**

that portion of the tender price represented by

a) the cost of imported components, and

b) the cost of parts or materials which have been or are still to be imported (whether by the suppliers or the suppliers' subcontractors or any other third party) the costs of which are inclusive of the costs abroad,

plus freight and other direct importation costs, such as landing cost, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry excluding value added tax (VAT)

#### 2.3

##### **local content**

that portion of the tender price that is not included in the imported content, provided that local manufacturing takes place and is calculated in accordance with the local content formula (see 3.1)



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### **2.4**

#### **manufacture**

any kind of working or processing, including assembly or specific operations

### **2.5**

#### **material**

ingredient, raw material, component or part used in the manufacture of a product

### **2.6**

#### **products**

produced goods, services or works, or manufactured goods as defined in the relevant national legislation (see foreword)

### **2.7**

#### **tender price**

price offered by the tenderer, excluding value added tax (VAT)

### **2.8**

#### **tenderer**

person or organization that submits a tender offer

[ISO 10845-1:2010]

### **2.9**

#### **verification**

confirmation through the provision of objective evidence that the specified requirements have been fulfilled.

### **2.10**

#### **verification body**

body that provides assurance of the claims of local content made by the supplier

NOTE In order to provide assurance as to the competence of the verification body, the user may require that the verification body be accredited to perform these functions by a national accreditation body (see foreword).

## **3 Local content measurement**

### **3.1 Calculation of local content**

The local content percentage of the product shall be as specified (see annex A). The local content, LC, expressed as a percentage of the tender price, shall be calculated as follows:

$$LC = (1 - x/y) * 100$$

where

x is the imported content (see 2.2), in Rand (ZAR);

y is the tender price (see 2.7), in Rand (ZAR).

Prices referred to in the determination of x shall all be converted to Rand (ZAR) by using the exchange rate as specified (see annex A).

## **3.2 Documentation required for the calculation of local content**

**3.2.1** Documentation used for the purposes of measuring local content shall include, but is not limited to, details of all imported components, parts or materials indicating origin, manufacturer, freight cost and other direct importation costs, such as landing cost, dock duties, and import duty and sales duty, i.e. landed cost.

**3.2.2** Documentary proof used for calculating  $x$  in the measurement of local content and proof of the tender price  $y$  shall be kept accessible for a period of no less than five years.

**3.2.3** The tenderer shall be responsible for the accuracy of the information, including the imported content in the supply chain.

**3.2.4** If information on the origin of components, parts or materials is not available, it will be deemed to be imported content.

## **3.3 Control of documents and records by the tenderer**

Documents and records to provide evidence of compliance with the requirements of this technical specification shall be controlled.

A documented procedure to define the controls needed for the identification, storage, protection, retrieval, retention and disposition of records shall be established.

Records shall remain legible, readily identifiable and retrievable.

## **4 Declaration**

The tenderer shall attach the declaration in annex B signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member/person with management responsibility (close corporation, partnership or individual) to the purchaser stating the local content percentage of the product, calculated in accordance with 3.1, and confirming the final tender price.

## **5 Verification**

**5.1** The procurement authority may require that the measurement of local content be verified. The verification shall be conducted by:

- a) an accredited verification body (see foreword); or
- b) an independent registered auditor (see foreword).

**5.2** Those conducting the verification shall have defined and documented procedures for the verification activities.

**Annex A**  
(normative)

**Notes to purchasers**

In addition to data clearly describing the product ordered, the following requirements shall be specified in tender invitations and in each order or contract:

- a) the local content percentage requirements (see 3.1), and
- b) the exchange rate requirements (see 3.1).

**Annex B**  
(normative)

**Local content declaration**

**LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

**IN RESPECT OF TENDER No.** .....  
**ISSUED BY:** (Procurement Authority): .....

NB The obligation to complete and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the tenderer.

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of .....(name of tendering entity),  
the following:

- (a) The facts herein contained are within my own personal knowledge.
- (b) I have satisfied myself that the goods/services to be delivered in terms of the above-specified tender comply with the minimum local content requirements as specified in the tender, and as measured in terms of SATS 1286.
- (c) The local content has been calculated using the formula given in clause 3 of SATS 1286 and the following figures:

	Rand (ZAR)
Tender price, excluding VAT	
Less imported content, as calculated in terms of SATS 1286	
Local content	
Local content %	

If the tender is for more than one product, a schedule of the local content by product shall be attached.

- (d) I accept that the Procurement Authority has the right to request that the local content be verified in terms of the requirements of SATS 1286.
- (e) I understand that the awarding of the tender is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286, may result in the procurement authority imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations promulgated under the Policy Framework Act (PPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**SATS 1286:2011**  
Edition 1

## **Bibliography**

ISO 10845:2010, *Construction procurement – Part 1: Processes, methods and procedures.*

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## **SABS – Standards Division**

The objective of the SABS Standards Division is to develop, promote and maintain South African National Standards. This objective is incorporated in the Standards Act, 2008 (Act No. 8 of 2008).

### **Amendments and Revisions**

South African National Standards are updated by amendment or revision. Users of South African National Standards should ensure that they possess the latest amendments or editions.

The SABS continuously strives to improve the quality of its products and services and would therefore be grateful if anyone finding an inaccuracy or ambiguity while using this standard would inform the secretary of the technical committee responsible, the identity of which can be found in the foreword.

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Annexure A

**NOTE 1: FAILURE TO COMPLETE THIS FORM WILL RESULT IN NO POINTS ALLOCATED FOR FUNCTIONALITY**

**NOTE 2: BIDDERS ARE NOT ALLOWED TO REPLICATE THIS**

<b>Project</b>	<i>SA POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING (Appointment of a Contractor for period of 36-month)</i>
----------------	---

Description	Quantity	Owned	Outsourced
a) Utility Vehicles			
LDV's	4		

b) Machinery	Quantity	Owned	Outsourced
<b>c) Hand Tools for the plumbing, air-conditioning &amp; ventilation trades, and construction &amp; building trades.</b>			
Hand Tools: Plumbing	4		
Wheel barrows	4		
Tool boxes with hammers, Pliers, Screwdrivers, spanners etc.	4		
Electrician tool kit with digital multi meter, plug tester, Lux meter, voltage tester and insulation tester up to 1 000V.	4		
Regasing equipment for HVAC equipment's	4		
Hand Tools: Air-conditioning & Ventilation	4		
Hand Tools: Construction & Building Trades	4		
Step ladders	4		

<b>NAME OF REPRESENTATIVE:</b> .....	<b>SIGNATURE:</b> .....	<b>DATE:</b> .....
---	----------------------------	-----------------------



# Annex C

## Local Content Declaration - Summary Schedule

(C1) **Tender No.**  
 (C2) **Tender description:**  
 (C3) **Designated product(s)**  
 (C4) **Tender Authority:**  
 (C5) **Tendering Entity name:**  
 (C6) **Tender Exchange Rate:**  
 (C7) **Specified local content %**

**Note:** VAT to be excluded from all calculations

Pula       EU       GBP

Calculation of local content							
Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)

Tender summary			
Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C16)	(C17)	(C18)	(C19)

Signature of tenderer from Annex B

Date: \_\_\_\_\_

(C20) Total tender value	R	
(C21) Total Exempt imported content	R	
(C22) Total Tender value net of exempt imported content	R	
(C23) Total Imported content	R	
(C24) Total local content	R	
(C25) Average local content % of tender		

**Annex D**

**Imported Content Declaration - Supporting Schedule to Annex C**

(D1) Tender No. \_\_\_\_\_  
 (D2) Tender description: \_\_\_\_\_  
 (D3) Designated Products: \_\_\_\_\_  
 (D4) Tender Authority: \_\_\_\_\_  
 (D5) Tendering Entity name: \_\_\_\_\_  
 (D6) Tender Exchange Rate: Pula \_\_\_\_\_

Note: VAT to be excluded from all calculations

EU R 9.00      GBP R 12.00

**A. Exempted imported content**

A. Exempted imported content				Calculation of imported content					
Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)

Summary	
Tender Qty	Exempted imported value
(D17)	(D18)

(D19) Total exempt imported value R 0

This total must correspond with Annex C - C 21

**B. Imported directly by the Tenderer**

B. Imported directly by the Tenderer				Calculation of imported content					
Tender item no's	Description of imported content	Unit of measure	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT
(D20)	(D21)	(D22)	(D23)	(D24)	(D25)	(D26)	(D27)	(D28)	(D29)

Summary	
Tender Qty	Total imported value
(D30)	(D31)

(D32) Total imported value by tenderer R

**C. Imported by a 3rd party and supplied to the Tenderer**

C. Imported by a 3rd party and supplied to the Tenderer				Calculation of imported content					
Description of imported content	Unit of measure	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT
(D33)	(D34)	(D35)	(D36)	(D37)	(D38)	(D39)	(D40)	(D41)	(D42)

Summary	
Quantity imported	Total imported value
(D43)	(D44)

(D45) Total imported value by 3rd party R

**D. Other foreign currency payments**

D. Other foreign currency payments			Calculation of foreign currency payments	
Type of payment	Local supplier making the payment	Overseas beneficiary	Foreign currency value paid	Tender Rate of Exchange
(D46)	(D47)	(D48)	(D49)	(D50)

Summary of payments
Local value of payments
(D51)

(D52) Total of foreign currency payments declared by tenderer and/or 3rd party

(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above R

Signature of tenderer from Annex B

Date: \_\_\_\_\_

This total must correspond with Annex C - C 23

## Annex E

### Local Content Declaration - Supporting Schedule to Annex C

(E1)	Tender No.	<input style="width: 90%;" type="text"/>
(E2)	Tender description:	<input style="width: 90%;" type="text"/>
(E3)	Designated products:	<input style="width: 90%;" type="text"/>
(E4)	Tender Authority:	<input style="width: 90%;" type="text"/>
(E5)	Tendering Entity name:	<input style="width: 90%;" type="text"/>

**Note:** VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
<b>(E9) Total local products (Goods, Services and Works)</b>			R <input style="width: 60px;" type="text"/>

(E10) **Manpower costs** (Tenderer's manpower cost) R

(E11) **Factory overheads** (Rental, depreciation & amortisation, utility costs, consumables etc.) R

(E12) **Administration overheads and mark-up** (Marketing, insurance, financing, interest etc.) R

**(E13) Total local content** R

**This total must correspond with Annex C - C24**

Signature of tenderer from Annex B

Date: \_\_\_\_\_



# public works & infrastructure

Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

## DECLARATION – EPWP PROGRAMME

I \_\_\_\_\_ from the company

### Hereby Undertake To Comply To:

#### 1. LABOUR INTENSIVE CONSTRUCTION METHODS (LIC)

1.1. Comply To Implementation Of LIC B.O.Q Items Specified Elsewhere in The Tender Documents

#### 2. RECRUITMENT AND PLACEMENT OF EPWP NYS PARTICIPANTS (Not Applicable)

2.1. Recruitment, Placement And Exposure Training Of \_\_\_ (\_\_\_) Participants

2.2. Comply To EPWP B.O.Q, Specifications And Code Of Good Practice

#### 3. RECRUITMENT AND PLACEMENT OF LOCAL LABOURERS

3.1. Recruitment And Placement Of 15 (fifteen) Local Labourers

3.2. Comply With Applicable Wage Order/Determination or Agreement, in Terms of Labour Relations Act or Wage Act.

#### 4. COMPLY TO EPWP MONTHLY REPORTING REQUIREMENTS

**Monthly, Prepare And Submit Below EPWP Reports Attached To Monthly Payments Certificate:**

- 4.1. All Employees and EPWP Participants Contracts
- 4.2. All Employees and EPWP Participants Certified SA ID Copies
- 4.3. All Employees and EPWP Participants Attendance Registers
- 4.4. All Employees and EPWP Participants Proof of Payment
- 4.5. EPWP Reports Populated on Standard Templates

#### 5. PENALTY FOR NON COMPLIANCE

Acknowledge Non-Compliance Penalty of R 3000.00 (Three Thousands Rand) Per Month Per Participants

Signed by : \_\_\_\_\_  
Director of the Company

Company name : \_\_\_\_\_

Date : \_\_\_\_\_

# PA- 40: DECLARATION OF DESIGNATED GROUPS FOR PREFERENTIAL PROCUREMENT

Tender no: H22/037AI

Name of Tenderer .....

EME<sup>1</sup>  QSE<sup>2</sup>  Non EME/QSE (tick applicable box)

**1. LIST ALL PROPRIETORS, MEMBERS OR SHAREHOLDERS BY NAME, IDENTITY NUMBER, CITIZENSHIP AND DESIGNATED GROUPS.**

Name and Surname #	Identity/ Passport number and Citizenship##	Percentage owned	Black	Indicate if youth	Indicate if woman	Indicate if person with disability	Indicate if living in Rural (R) / Under Developed Area (UD) / Township (T) / Urban (U).	Indicate if military veteran
1.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
11.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
12.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No

# Where Owners are themselves a Company, Close Corporation, Partnership etc, identify the ownership of the Holding Company, together with Registration number

## State date of South African citizenship obtained (not applicable to persons born in South Africa)

<sup>1</sup> EME: Exempted Micro Enterprise

<sup>2</sup> QSE: Qualifying Small Business Enterprise

## PA- 40: DECLARATION OF DESIGNATED GROUPS FOR PREFERENTIAL PROCUREMENT

**Tender no:** H22/037A1

### 2. DECLARATION:

**The undersigned, who warrants that he/she is duly authorized to do so on behalf of the Tenderer, hereby confirms that:**

- 1 The information and particulars contained in this Affidavit are true and correct in all respects;
- 2 The Broad-based Black Economic Empowerment Act, 2003 (Act 53 of 2003), Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000), the Preferential Procurement Regulations, 2017, National Small Business Act 102 of 1996 as amended and all documents pertaining to this Tender were studied and understood and that the above form was completed according to the definitions and information contained in said documents;
- 3 The Tenderer understands that any intentional misrepresentation or fraudulent information provided herein shall disqualify the Tenderer's offer herein, as well as any other tender offer(s) of the Tenderer simultaneously being evaluated, or will entitle the Employer to cancel any Contract resulting from the Tenderer's offer herein;
- 4 The Tenderer accepts that the Employer may exercise any other remedy it may have in law and in the Contract, including a claim for damages for having to accept a less favourable tender as a result of any such disqualification due to misrepresentation or fraudulent information provided herein;
- 5 Any further documentary proof required by the Employer regarding the information provided herein, will be submitted to the Employer within the time period as may be set by the latter;

### Signed by the Tenderer

<b>Name of representative</b>	<b>Signature</b>	<b>Date</b>

SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK,  
LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES:  
REPAIR AND UPGRADING



public works  
& infrastructure

---

Department:  
Public Works and Infrastructure  
**REPUBLIC OF SOUTH AFRICA**

# THE CONTRACT

SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK,  
LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES:  
REPAIR AND UPGRADING



public works  
& infrastructure

Department:  
Public Works and Infrastructure  
**REPUBLIC OF SOUTH AFRICA**

## ***PART C1: AGREEMENT AND CONTRACT DATA***



## DPW-07 (EC): FORM OF OFFER AND ACCEPTANCE

<b>Project title:</b>	<b>SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT &amp; THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING</b>		
<b>Tender / Quotation no:</b>	H22/037AI	<b>Reference no:</b>	21/1/2(47)

### OFFER

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

**SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING**

The Tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the Tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the Tenderer offers to perform all of the obligations and liabilities of the Contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

**THE TOTAL OFFER INCLUSIVE OF ALL APPLICABLE TAXES (All applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies) IS:**

<b>Rand (in words):</b>	..... ..... .....
<b>Rand in figures:</b>	R .....

The amount in words takes precedence over the amount in figures. The award of the tender may be subjected to further price negotiation with the preferred tenderer(s). The negotiated and agreed price will be considered for acceptance as **a firm and final offer.**

This offer may be accepted by the Employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the tender data, whereupon the Tenderer becomes the party named as the Contractor in the conditions of contract identified in the contract data.

**THIS OFFER IS MADE BY THE FOLLOWING LEGAL ENTITY:** (cross out block which is not applicable)

Company or Close Corporation: ..... ..... And: Whose Registration Number is: ..... And: Whose Income Tax Reference Number is: ..... CSD supplier number:.....	<b>OR</b>	Natural Person or Partnership: ..... ..... Whose Identity Number(s) is/are: ..... Whose Income Tax Reference Number is/are: ..... CSD supplier number:.....
--	-----------	--

\*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

\*\*Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"

**Tender / Quotation no:** H22/037AI

<b>AND WHO IS (if applicable):</b>	
Trading under the name and style of: .....	
<b>AND WHO IS:</b>	
Represented herein, and who is duly authorised to do so, by:  Mr/Mrs/Ms: ..... In his/her capacity as: .....	<b>Note:</b>  <b>A Resolution / Power of Attorney, signed by all the Directors / Members / Partners of the Legal Entity must accompany this Offer, authorising the Representative to make this offer.</b>

**SIGNED FOR THE TENDERER:**

Name of representative	Signature	Date

**WITNESSED BY:**

Name of witness	Signature	Date

This Offer is in respect of: (Please indicate with an "X" in the appropriate block)

- The official documents .....
- The official alternative .....
- Own alternative (only if documentation makes provision therefore) .....

**(N.B.: Separate Offer and Acceptance forms are to be completed for the main and for each alternative offer)**

**SECURITY OFFERED:**

- (a) the Tenderer accepts that in respect of contracts up to R1 million, a payment reduction\*\* of 5% of the contact value (excluding VAT) will be applicable and will be deducted by the Employer in terms of the applicable conditions of contract
- (b) in respect of contracts above R1 million, the Tenderer offers to provide security as indicated below:
- (1) cash deposit of 10 % of the Contract Sum (excluding VAT) Yes  No
  - (2) variable construction guarantee of 10 % of the Contract Sum (excluding VAT) Yes  No
  - (3) payment reduction of 10% of the value certified in the payment certificate (excluding VAT) Yes  No
  - (4) cash deposit of 5% of the Contract Sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) Yes  No
  - (5) fixed construction guarantee of 5% of the Contract Sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) Yes  No

NB. Guarantees submitted must be issued by either an insurance company duly registered in terms of the Insurance Act [Long-Term Insurance Act, 1998 (Act 52 of 1998) or Short-Term Insurance Act, 1998 (Act 35 of 1998)] or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

\*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

\*\*Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"

**Tender / Quotation no:** H22/037A1

The Tenderer elects as its *domicilium citandi et executandi* in the Republic of South Africa, where any and all legal notices may be served, as (physical address):

.....  
 .....

**Other Contact Details of the Tenderer are:**

Telephone No..... Cellular Phone No. ....

Fax No .....

Postal address .....

Banker ..... Branch.....

Registration No of Tenderer at Department of Labour .....

CIDB Registration Number: .....

**ACCEPTANCE**

By signing this part of this form of offer and acceptance, the Employer identified below accepts the Tenderer’s offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the Tenderer’s offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

**The terms of the contract are contained in:**

- Part C1 Agreement and contract data, (which includes this agreement)
- Part C2 Pricing data
- Part C3 Scope of work
- Part C4 Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer’s agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five (5) working days of the date of such receipt notifies the employer in writing of any reason why he/she cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

**For the Employer:**

Name of signatory	Signature	Date

\*Any reference to words “Bid” or “Bidder” herein and/or in any other documentation shall be construed to have the same meaning as the words “Tender” or “Tenderer”.

\*\*Any reference to the words “payment reduction” herein shall be construed to have the same meaning as the word “retention”

Tender / Quotation no: H22/037AI

<b>Name of Organisation:</b>	Department of Public Works and Infrastructure
<b>Address of Organisation:</b>	

**WITNESSED BY:**

Name of witness	Signature	Date

**Schedule of Deviations**

<b>1.1.1. Subject:</b>
<b>Detail:</b>
<b>1.1.2. Subject:</b>
<b>Detail:</b>
<b>1.1.3. Subject:</b>
<b>Detail:</b>
<b>1.1.4. Subject:</b>
<b>Detail:</b>
<b>1.1.5. Subject:</b>
<b>Detail:</b>
<b>1.1.6. Subject:</b>
<b>Detail:</b>

By the duly authorised representatives signing this agreement, the Employer and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

\*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

\*\*Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"  
For Internal & External Use

## DPW-05: (EC) CONTRACT DATA - (GCC (2010) 2<sup>nd</sup> EDITION: 2010)

<b>Project title:</b>	SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING
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<b>Tender / Quotation no:</b>	H22/037AI	<b>WCS no:</b>	043896	<b>Reference no:</b>	21/1/2(47)
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	<b>PART 1: DATA PROVIDED BY THE EMPLOYER</b>
	<b>CONDITIONS OF CONTRACT</b>
	<p>The General Conditions of Contract for Construction Works, Second Edition, 2010, published by the South African Institution of Civil Engineering, Private Bag X200, Halfway House, 1685, is applicable to this Contract and is obtainable from <a href="http://www.saice.org.za">www.saice.org.za</a></p> <p>Bidders to note that materials procured for the works should be from South African manufactures and suppliers. Imported materials shall only be considered under exceptional circumstances, based on compelling technical justifications, and subject to the approval by the NDPWI.</p>

<b>CONTRACT SPECIFIC DATA</b>	
The following contract specific data, referring to the General Conditions of Contract for Construction Works, Second Edition, 2010, are applicable to this Contract:	
<b>CLAUSES</b>	<b>COMPULSORY DATA</b>
1.1.1.8	<p>Amend Clause 1.1.1.8 to include the word “rights” to read as follows:</p> <p>“Contract Data” means the specific data which, together with these General Conditions of Contract, collectively describe the rights, risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract.</p>
1.1.1.13	<p>Amend Clause 1.1.1.13 as follows, clarify when the defects liability period starts:</p> <p>“Defects Liability Period” means the period stated in the Contract Data, commencing on the date indicated on the Certificate of Completion or Certificates of Completion in the event of more than one Certificate of Completion is issued for different parts of the Works, during which the Contractor has both the right and the obligation to make good defects in the materials, Plant and workmanship covered by the Contract.</p> <p>Defects liability period is: <b>12 months</b>.</p>
1.1.1.14 & 5.14.7	<p>The time for achieving Practical Completion of the whole of the works is: <b>12 months</b> measured from the <u>Commencement</u> Date. The time thus stated includes special non-working days and the year-end break.</p> <p><b><i>or, if Practical Completion in portions is required,</i></b></p> <p>The times for achieving Practical Completion for the portions as set out in the Scope of Works are <i>mutatis mutandi</i>:</p> <p>For portion 1 within <b><i>insert description as may be applicable</i></b></p> <p>For portion 2 within <b><i>insert description as may be applicable</i></b></p> <p>For portion 3 within <b><i>insert description as may be applicable</i></b></p>

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Any reference to words “Bid” or Bidder” herein and/or in any other documentation shall be construed to have the same meaning as the words “Tender” or “Tenderer”.

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	For portion 4 within <b><i>insert description as may be applicable</i></b> <i>(followed by further portions as required)</i>
	The time for achieving Practical Completion of the whole of the Works is: <b><i>insert total contract period here, measured from the Commencement Date. The time thus stated includes special non-working days and the year-end break.</i></b>
1.1.1.15	The name of the Employer is: <b>The Government of the Republic of South Africa in its Department of Public Works and Infrastructure.</b>
1.1.1.16	The name of the Engineer is: <b>ZUTARI (PTY) LTD</b>
1.1.1.26	The Pricing Strategy is a: <b>Re-measurement Contract.</b>
1.1.1.31	Not applicable to this Contract.
1.1.1.35	Insert the definition of “Value of Works” as Clause 1.1.1.35: “Value of Works” means the value of the Works certified by the Engineer as having been satisfactorily executed and shall include the value of the works done, the value of the materials and/or plant and Contract Price Adjustments.
1.2.1.2	<b>Employer’s address:</b>  Physical Address: <b>Central Government Office c/o Bosman and Madiba Streets Pretoria 0002</b>  Postal Address: <b>Private Bag X 65 Pretoria 0002</b>  Facsimile: <b><i>insert fax no</i></b>  Telephone: <b><i>insert tel no</i></b>
	<b>Engineer’s address:</b>  Physical Address: <b>Zutari (Pty) Ltd Riverwalk Office Park, 41 Matroosberg Road, Ashlea Gardens Ext 6, Pretoria</b>  Postal Address: <b>P O Box 74381, Lynnwood Ridge, 0040</b>  Facsimile: <b><i>insert fax no</i></b>  Telephone: <b>012 427 2000 / 083 701 6061</b>
1.3.4	Not applicable to this Contract.

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<p>1.3.5</p>	<p>Replace Clause 1.3.5 with the following provisions:</p> <ul style="list-style-type: none"> <li>(a) The Employer will become the owner of the information, documents, advice, recommendation and reports collected, furnished and/or compiled by the Contractor during the course of, and for the purposes of executing this Contract, all of which will be handed over to the Employer on request, but in any event on the termination and/or cancellation of this Contract for whatever reason. The Contractor relinquishes its retention or any other rights thereon to which it may be entitled.</li> <li>(b) The copyright of all documents, recommendations and reports compiled by the Contractor during the course of and for the purposes of finalizing the Works will vest in the Employer, and may not be reproduced or distributed or made available to any person outside the Employer's service, or to any institution in any way, without the prior written consent of the Employer. The Employer shall have the right to use such material for any other purpose without the approval of information or payment to the Contractor.</li> <li>(c) The copyright of all electronic aids, software programmes etc. prepared or developed in terms of the Contract shall vest in the Employer, who shall have the right to use such material for any other purpose without the approval of, information or payment to the Contractor.</li> <li>(d) In case of the Contractor providing documents, electronic aids, software programs or like material to the Employer, the development of which has not been at the expense of the Employer, copyright shall not vest in the Employer. The Contractor shall be required to indicate to which documents, electronic aids, software programs or like material this provision applies.</li> <li>(e) The Contractor hereby indemnifies the Employer against any action, claim, damages or legal cost that may be instituted against the Employer on the grounds of an alleged infringement of any copyright, patents or any other intellectual property right in connection with the Works outlined in this Contract.</li> <li>(f) All information, documents, recommendations, programs and reports collected or compiled must be regarded as confidential and may not be communicated or made available to any person outside the Employer's service and may not be published either during the currency of this Contract or after termination thereof without the prior written consent of the Employer.</li> </ul>
<p>3.1.3</p>	<p>1. The Engineer's authority to act and/or to execute functions or duties or to issue instructions are expressly <b>excluded</b> in respect of the following:</p> <ul style="list-style-type: none"> <li>(a) Appointment of nominated Sub-contractors – clause 4.4.3;</li> <li>(b) Granting of an extension of time and/or ruling on claims associated with claims for extension of time – clauses 5.12.3, 10.1.5;</li> <li>(c) Acceleration of the rate of progress and determination of the cost for payment of such acceleration – clause 5.12.4;</li> <li>(d) Rulings on claims and disputes – clauses 10.1.5, 10.2.3 and 10.3.3;</li> <li>(e) Suspension of the Works – clause 5.11.1;</li> <li>(f) Final Payment Certificate – clause 6.10.9;</li> <li>(g) Issuing of <i>mora</i> notices to the Contractor – clauses 9.1.1, 9.1.2.1 and 9.2.1;</li> <li>(h) Cancellation of the contract between the Employer and Contractor – clauses 9.1.1, 9.1.2.1 and 9.2.1.</li> </ul>



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	<p>2. In order to be legally binding and have legal bearing and consequence, any ruling in respect of the above matters (a) to (h) must be on an official document, signed and issued by the Employer to the Contractor.</p> <p>3. The Contractor must submit claims, demands, notices, notifications, updated particulars and reports in writing, as well as any other supporting documentation pertaining thereto, in respect of any of the above listed matters (a) to (h), to the Engineer within the time periods and in the format(s) as determined in the relevant clauses of the Conditions of Contract. Failing to deliver such to the Engineer timeous and in the correct format will invalidate any claim and the consequences of such failure will <i>mutatis mutandis</i> be as stated in clause 10.1.4.</p> <p>4. Clauses 6.10.9 and 10.1.5 shall be amended as follows to indicate the limitation on the Engineer's authority in respect thereof:</p> <p><b>Clause 6.10.9 – Amend to read as follows:</b></p> <p>Within 14 days of the date of final approval as stated in the Final Approval Certificate, the Contractor shall deliver to the Engineer a final statement claiming final settlement of all moneys due to him (save in respect of matters in dispute, in terms of Clauses 10.3 to 10.11, and not yet resolved). The Employer shall within 14 days issue to the Contractor a Final Payment Certificate the amount of which shall be paid to the Contractor within 28 days of the date of such certificate, after which no further payments shall be due to the Contractor (save in respect of matters in dispute, in terms of Clauses 10.3 to 10.11 and not yet resolved).</p> <p><b>Clause 10.1.5 – Amend to read as follows:</b></p> <p>Unless otherwise provided in the Contract, the Employer shall, within 28 days after the Contractor has delivered his claim in terms of Clause 10.1.1 as read with Clause 10.1.2, deliver to the Contractor his written and adequately reasoned ruling on the claim (referring specifically to this Clause). The amount thereof, if any, allowed by the Employer shall be included to the credit of the Contractor in the next payment certificate.</p> <p>5. Insert the following under 3.1.3: Provided that, notwithstanding any provisions to the contrary in the Contract, the Employer shall have the right to reverse and, should it deem it necessary, to amend any certificate, instruction, decision or valuation of the Engineer and to issue a new one, and such certificate instruction, decisions or valuations shall for the purposes of the Contract be deemed to be issued by the Engineer, provided that the Contractor shall be remunerated in the normal manner for work executed in good faith in terms of an instruction issued by the Engineer and which has subsequently been rescinded.</p>
3.2.2.1	<p>Amend Clause 3.2.2.1 to insert the word "Plant" to read as follows:</p> <p>Observe the execution of the Works, examine and test material, Plant and workmanship, and receive from the Contractor such information as he shall reasonably require.</p>
3.2.3.2	<p>Amend Clause 3.2.3.2 to insert the word "Plant" to reads as follows:</p> <p>Notwithstanding any authority assigned to him in terms of Clauses 3.2.2 and 3.2.4, failure by the Engineer's Representative to disapprove of any work, workmanship, Plant or materials shall not prejudice the power of the Engineer thereafter to disapprove thereof and exercise any of his powers in terms of the Contract in respect of thereof.</p>
4.8.2.1	<p>Amend Clause 4.8.2.1 to include the word "person", as follows:</p> <p>Makes available to the Employer, or to any such contractor, person or authority, any roads or ways for the maintenance of which the Contractor is responsible, or</p>



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4.8.2.2	Amend Clause 4.8.2.2 to include "Employer" and "contractors", as follows: Provides any other facility or service of whatsoever nature to the Employer or to any of the said contractors, persons or authorities,
5.3.1	The documentation required before commencement with Works execution are: Health and Safety Plan (Refer to Clause 4.3) Initial programme (Refer to Clause 5.6) Security (Refer to Clause 6.2) Insurance (Refer to Clause 8.6) <b>insert other requirements</b> <b>insert other requirements</b> <b>insert other requirements</b>
5.3.2	The time to submit the documentation required before commencement with Works execution is: <b>21 days.</b>
5.4.2	The access to, and possession of, the Site referred to in Clause 5.4.1 shall be <b>"not exclusive"</b> to the Contractor. In the event of access to, and possession of, the Site is not exclusive to the Contractor, the following limitations apply: <b>Access needs to be arranged with SAPS prior to starting in certain portions.</b>
5.8.1	The non-working days are: <b>Saturdays and Sundays</b>
	The special non-working days are: <b>(1) Public Holidays;</b> <b>(2) The year-end break commencing on 16 December until the Sunday preceding the first working Monday of January of the succeeding year.</b>
5.9.1	Amend Clause 5.9.1 as follows: On the Commencement Date, the Engineer shall deliver to the Contractor three (3) copies, at no cost to the Contractor, of the drawings and any instructions required for the commencement of the Works. The cost of any additional copies of such drawings and/or instructions, as may be required by the Contractor, will be for the account of the Contractor.
5.13.1	The penalty for failing to complete the Works is: <b>R2000 per day</b>
	<b><u>or, if completion in portions is required,</u></b> The penalty for failing to complete portion 1 of the Works is: <b>Rinsert penalty amount per day.</b> The penalty for failing to complete portion 2 of the Works is: <b>Rinsert penalty amount per day.</b> The penalty for failing to complete portion 3 of the Works is: <b>Rinsert penalty amount per day.</b> The penalty for failing to complete portion 4 of the Works is: <b>Rinsert penalty amount per day.</b> <i>Followed by further portions as required.</i> The penalty for failing to complete the whole of the works is: <b>Rinsert penalty amount per day.</b>

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5.14.1	<p>Amend the second paragraph of Clause 5.14.1 as follows:</p> <p>When the Works are about to reach the said stage, the Contractor shall, in writing, request a Certificate of Practical Completion and the Engineer shall, within 14 days after receiving such request, issue to the Contractor a written list setting out the work to be completed to justify Practical Completion. Should the Engineer not issue such a list within the 14 days, the Contractor shall notify the Employer accordingly. Should the Employer not issue such a list within 7 days of receipt of such notice, Practical Completion shall be deemed to have been achieved on the 14<sup>th</sup> day after the contractor requested the Certificate of Practical Completion.</p>
5.16.1	<p>Amend Clause 5.16.1 to delete the proviso in the third paragraph of this clause.</p>
5.16.2	<p>Amend Clause 5.16.2 as follows:</p> <p>No certificate other than the Final Approval Certificate referred to in Clause 5.16.1 shall be deemed to constitute approval of the Works or shall be taken as an admission of the due performance of the Contract or any part thereof, nor of the accuracy of any claim made by the Contractor, nor shall any other certificate exclude or prejudice any of the powers of the Engineer and/or the Employer.</p>
5.16.3	<p>The latent defect period for all works is: <b>5 years</b>.</p>
6.2.1	<p>The type of security for the due performance of the Contract, as selected by the Contractor in the Contract Data, must be delivered to the Employer.</p>
6.2.3	<p>Amend Clause 6.2.3 as follows:</p> <p>If the Contractor has selected a performance guarantee as security, he shall ensure that it remains valid and enforceable as required in terms of the Contract.</p>
6.5.1.2.3	<p>The percentage allowance to cover overhead charges is:</p> <p><b>33%, except on material cost where the percentage allowance is 10%.</b></p>
6.8.2	<p>Contract Price Adjustment (CPA) will be applicable: <b>yes</b>.</p> <p>If CPA is indicated as ‘Yes’ above the value of payment certificates is to be adjusted by a Contract Price Adjustment Factor:</p> <p>The value of the certificates issued shall be adjusted in accordance with the Contract Price Adjustment Schedule with the following values:</p> <p>The value of “x” is 0.15.</p> <p>The values of the coefficients are:</p> <p>a = 0.25. (Labour) b = 0.3 (Contractor’s equipment) c = 0.3 (Material) d = 0.15 (Fuel)</p> <p>The values of the coefficients for “Repair and Maintenance Project” (RAMP) contracts are:</p> <p>a = 0.35 (Labour) b = 0.20 (Contractor’s equipment) c = 0.35 (Material) d = 0.10 (Fuel)</p>

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6.8.2	<p>The urban area nearest the Site is <b>Polokwane, Limpopo / Nelspruit, Mpumalanga, SA</b>. (Select urban area from Statistical News Release, P0141, Table 7.1.)</p> <p>The applicable industry for the Producer Price Index for materials is <b>construction</b>. (Select the applicable industry from Statistical News Release, P01421, Table 11.)</p> <p>The area for the Producer Price Index for fuel is <b>Polokwane, Limpopo / Nelspruit, Mpumalanga, SA</b>. (Select the area from Statistical News Release, P01421, Table 12.)</p> <p>The base month is <b>November 2022</b>. (The month prior to the closing of the tender.)</p>
6.8.3	Price adjustments for variations in the costs of special materials are not allowed.
6.10.1.5	The percentage advance on materials not yet built into the Permanent Works is: <b>85 %</b> .
6.10.3	The limit of retention money is dependent on the security to be provided by the Contractor in terms of Clause 6.2.1.
6.10.5	<p>Replace Clause 6.10.5 with the following:</p> <p><u>In respect of contracts up to R2 million and in respect of contracts above R2 million where the Contractor elects a security by means of a 10% retention</u>, 50% of the retention shall be released to the Contractor when the Engineer issues the Certificate of Completion in terms of clause 5.14.4. The remaining 50% of the retention shall be released in accordance with the provisions of the conditions of contract and will become due and payable when the Contractor becomes entitled, in terms of Clause 5.16.1, to receive the Final Approval Certificate.</p> <p><u>In respect of contracts above R2 million, where the Contractor elects a security by means of a cash deposit or fixed guarantee of 5% of the Contract Sum (excl. VAT) and a 5% retention of the Value of the Works (excl. VAT)</u>, the cash deposit or fixed guarantee, whichever is applicable, shall be refunded to the Contractor or return to the guarantor, respectively, when the Engineer issues the Certificate of Completion in terms of Clause 5.14.4. The 5% retention of the Value of the Works (excl. VAT) shall become due and payable when the Contractor becomes entitled, in terms of Clause 5.16.1, to receive the Final Approval Certificate.</p> <p><u>In respect of contracts above R2 million, where the Contractor elects a security by means of a cash deposit or a variable guarantee of 10% of the Contract Sum (excl. VAT)</u>, the cash deposit or the variable guarantee, whichever is applicable, will be reduced to 5% of the Value of the Works (excl. VAT) when the Engineer issues the Certificate of Completion in terms of Clause 5.14.4. The balance of the cash deposit shall become due and payable or the variable guarantee shall expire when the Contractor becomes entitled in terms of Clause 5.16.1 to receive the Final Approval Certificate.</p>
7.9.1	<p>Insert the following at the end of Clause 7.9.1:</p> <p>Provided that, should the Contractor on demand not pay the amount of such costs to the Employer, such amount may be determined and deducted by the Employer from any amount due to or that may become due to the Contractor under this or any other previous or subsequent contract between the Contractor and the Employer.</p>
8.2.2.1	<p>Insert the following as a second paragraph to Clause 8.2.2.1:</p> <p>The Contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the Works and to rebuild, restore, replace and/or repair the Works, failing which the Employer may cause same to be done and recover the reasonable costs associated therewith from the Contractor.</p>

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8.4.3	<p>Insert a new Clause 8.4.3 as follows:</p> <p>The Contractor shall on receiving a written instruction from the Engineer immediately proceed at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the Works.</p>
8.6.1.1.1	Amend Clause 8.6.1.1.1 to read as follows: Contract Sum plus 10%.
8.6.1.1.2	The value of Plant and materials supplied by the Employer to be included in the insurance sum is: <b>Nil</b>
8.6.1.1.3	The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is: <b>Nil</b>
8.6.1.3	<p>Amend Clause 8.6.1.3 to delete reference to limit of indemnity, to read as follows:</p> <p>Liability insurance that covers the Contractor against liability for the death of, or injury to any person, or loss of, or damage to any property (other than property while it is insured in terms of Clause 8.6.1.1) arising from or in the course of the fulfillment of the Contract, from the Commencement Date to the date of the end of the Defects Liability Period, if there is one, or otherwise to the issue of the Certificate of Completion.</p>
8.6.1.5	<p>1. <b>Public liability insurance</b> to be effect by the Contractor to a minimum value of:</p> <p><input type="checkbox"/> R5 million</p> <p><b>or</b></p> <p><input checked="" type="checkbox"/> <b>R 2 000 000 (Two million rand)</b></p> <p>With a deductible not exceeding 5% of each and every claim.</p> <p>2. <b>Support insurance</b> is to be effected by the Contractor to a minimum value of:</p> <p><b>R 2 000 000 (Two million rand)</b></p> <p>With a deductible not exceeding 5% of each and every claim.</p>
8.6.5	<p>Amend Clause 8.6.5 as follows:</p> <p>Save as otherwise provided in the Contract Data, the insurances referred to in Clause 8.6.1 shall be effected with an insurance company registered in the Republic of South Africa. The Contractor shall submit the insurance policy to the Employer for approval, if so requested.</p>
8.6.7	<p>Amend Clause 8.6.7 as follows:</p> <p>If the Contractor fails to effect and keep in force any of the insurances referred to in Clause 8.6.1, the Employer may cancel the Contract in terms of Clause 9.2.</p>
8.6.8	<p>Insert a new Clause 8.6.8 in provide for high risk insurance for projects executed on areas classified as “High Risk Areas”.</p> <p><b>HIGH RISK INSURANCE</b></p> <p>In the event of the project being executed in a geological area classified as a “High Risk Area”, that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:</p>

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<p>8.6.8</p>	<p>(1) <b>Damage to the Works</b> The Contractor shall, from the date of Commencement of the Works until the date of the Certificate of Completion, bear the full risk of and hereby indemnifies and holds harmless the Employer against any damage to and/or destruction of the Works consequent upon a catastrophic ground movement as mentioned above. The Contractor shall take such precautions and security measures and other steps for the protection of the Works as he may deem necessary.</p> <p>When so instructed to do so by the Engineer, the Contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the Works and to rebuild, restore, replace and/or repair the Works, at the Contractor's own costs.</p> <p>(2) <b>Injury to Persons or Loss of or damage to Properties</b> The Contractor shall be liable for and hereby indemnifies and holds harmless the Employer against any liability, loss, claim or proceeding arising during the Contract Period whether arising in common law or by Statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above.</p> <p>The Contractor shall be liable for and hereby indemnifies the Employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable or personal property or property contiguous to the Site, whether belonging to or under the control of the Employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the Contract Period.</p> <p>(3) It is the responsibility of the Contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in Clauses 8.6.8(1) and 8.6.8 (2) above. Without limiting his obligations in terms of the Contract, the Contractor shall, within 21 days of the Commencement Date and before Commencement of the Works, submit to the Employer proof of such insurance policy, if requested to do so.</p> <p>(4) The Employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the Contractor's default of his obligations as set out in Clauses 8.6.8 (1), 8.6.8 (2) and 8.6.8 (3). Provided that, should the Contractor on demand not pay the amount of such costs to the Employer, such amount may be determined and deducted by the Employer from any amount due to or that may become due to the Contractor under this or any other existing or subsequent contract between the Contractor and the Employer.</p>
<p>9.1.4</p>	<p>Amend Clause 9.1.4 as follows:</p> <p>In the circumstances referred to in Clauses 9.1.1, 9.1.2 or 9.1.3 (provided that the circumstances in 9.1.3 is not due to the fault of the Contractor, his employees, contractors or agents), and whether or not the Contract is terminated under the provisions of this Clause, the Contractor shall be entitled to payment of any increased cost of or incidental to the execution of the Works which is specifically attributable to, or consequent upon the circumstances defined in Clauses 9.1.1, 9.1.2 or 9.1.3;</p>
<p>9.1.5</p>	<p>Amend Clause 9.1.5 as follows:</p> <p>If the Contract is terminated on any account in terms of this Clause (provided that the circumstances in 9.1.3 is not due to the fault of the Contractor, his employees, contractors or agents) , the Contractor shall be paid by the Employer (insofar as such amounts or items have not already been covered by payments on account made to the Contractor) for all measured work executed prior to the date of termination, the amount (without retention), payable in terms of the Contract and, in addition:</p>
<p>9.1.6</p>	<p>This Clause is not applicable to this Contract.</p>

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9.2.1.3.8	<p>Insert a new Clause 9.2.1.3.8 as follows:</p> <p>Has failed to effect and keep in force any of the insurances referred to in Clause 8.6.1,</p>
9.2.4	<p>Insert a new Clause 9.2.4 as follows, to provide for unilateral termination by the Employer:</p> <p>The Employer shall be entitled at any time to unilaterally terminate or cancel this Contract or any part thereof. Save for the following, the Contractor shall not be entitled to claim any other amounts whatsoever in respect of such termination or cancellation of this Contract. The Employer shall be obliged to pay the Contractor as damages and/or loss of profit the lesser of:</p> <p>9.2.4.1 An amount not exceeding 10% of the Contract Sum;</p> <p>9.2.4.2 10% of the value of incomplete work; or</p> <p>9.2.4.3 The Contractor's actual damage or loss as determined by the Employer after receipt of evidence substantiating any such damage or loss.</p>
9.3.2.2	<p>Amend Clause 9.3.2.2 as follows to delete the proviso on lien:</p> <p>The ownership of Plant and unused materials brought onto the Site by the Contractor, and for which the Employer has not made any payment, shall revert to the Contractor and he shall, with all reasonable dispatch, remove from the Site such Plant, materials and all Construction Equipment and Temporary Works.</p>
9.3.3	<p>Insert the following at the end of Clause 9.3.3</p> <p>After cancellation of the Contract by the Contractor, the Contractor, when requested by the Employer to do so, shall not be entitled to refuse to withdraw from the Works on the grounds of any lien or a right of retention or on the grounds of any other right whatsoever.</p>
10.1.3.1	<p>Amend Clause 10.1.3.1 as follows to insert the word "Plant":</p> <p>All facts and circumstances relating to the claims shall be investigated as and when they occur or arise. For this purpose, the Contractor shall deliver to the Engineer, records in a form approved by the Engineer, of all the facts and circumstances which the Contractor considers relevant and wishes to rely upon in support of his claims, including details of all Construction Equipment, labour, Plant and materials relevant to each claim. Such records shall be submitted promptly after the occurrence of the event giving rise to the claim.</p>
10.1.6	<p>Insert a new Clause 10.1.6 as follows:</p> <p>If the Employer fails to give his ruling within the period referred to in Clause 10.1.5 he shall be deemed to have given a ruling dismissing the claim.</p>
10.2.1	<p>Amend Clause 10.2.1 as follows:</p> <p>In respect of any matter arising out of or in connection with the Contract, which is not required to be dealt with in terms of Clause 10.1 or which does not require the decision or ruling of the Employer, the Contractor or the Employer shall have the right to deliver a written dissatisfaction claim to the Engineer. This written claim shall be supported by particulars and substantiated.</p>
10.2.2	<p>Amend Clause 10.2.2 as follows:</p> <p>If, in respect of any matter arising out of or in connection with the Contract, which is not required to be dealt with in terms of Clause 10.1 or which does not require the decision or ruling of the Employer, the Contractor or the Employer fails to submit a claim within 28 days after the cause of dissatisfaction, he shall have no further right to raise any dissatisfaction on such matter.</p>



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10.3.2	Amend Clause 10.3.2 as follows to replace “adjudication” with “court”: If either party shall have given notice in compliance with Clause 10.3.1, the dispute shall be referred to court proceedings in terms of Clause 10.8, unless amicable settlement is contemplated.
10.3.3	Replace “Engineer” with “Employer”.
10.4.2	Amend Clause 10.4.2 as follows to provide for submission to court: If the other party rejects the invitation to amicable settlement in writing or does not respond in writing to the invitation with 14 days, or amicable settlement is unsuccessful, either party may submit the dispute to court.
10.4.4	Amend Clause 10.4.4 to delete reference to “adjudication” and “arbitration” to read as follows: Save for reference to any portion of any settlement or decision which has been agreed to be final and binding on the parties, no reference shall be made by or on behalf of either party in any subsequent court proceedings, to any outcome of an amicable settlement, or to the fact that any particular evidence was given, or to any submission, statement or admission made in the course of the amicable settlement.
10.5 10.6 & 10.7	The entire provisions of these Clauses are not applicable to this Contract.
10.10.3	Amend Clause 10.10.3 as follows to reword and remove reference to “arbitrator”: The court shall have full power to open up, review and revise any ruling, decision, order, instruction, certificate or valuation of the Engineer and Employer and neither party shall be limited in such proceedings before such court to the evidence or arguments put before the Engineer or Employer for the purpose of obtaining his ruling.

### CONTRACT PARTICIPATION GOAL TARGETS AND CIDB B.U.I.L.D. PROGRAMME

The contractor shall achieve in the performance of the contract the following Contract Participation Goals (CPGs) as described in PG-01.2 (EC): Scope of Work and PG-02.2 (EC): Pricing Assumptions and in accordance with the feasibility study, which forms part of the specifications in the CPG Section of the Specification of this contract.

(a)	Minimum 30% mandatory Subcontracting to SMMEs in accordance with the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017 as published in the Government Gazette Notice No. 40553 of 20 January 2017 – Condition of Tender.	<b>Not applicable</b>
(b)	Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>
(c)	Minimum Targeted Local Building Material Suppliers Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>

**Tender no:** H22/037AI

(d)	Minimum Targeted Local Labour Skills Development Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>
(e)	cidb BUILD Programme: Minimum Targeted Enterprise Development Contract Participation Goal in accordance with the cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>
(f)	cidb BUILD Programme: Minimum Targeted Contract Skills Development Goal in accordance with the cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	<b>Not applicable</b>
(g)	DPWI National Youth Service training and development programme (NYS) – Condition of Contract.	<b>Applicable</b>
(h)	Labour Intensive Works – Condition of Contract.	<b>Applicable</b>
(i)		<b>Select</b>
(j)		<b>Select</b>



Tender no: H22/037AI

PART 2: DATA PROVIDED BY THE BIDDER	
1.1.1.9	The name of the Bidder is: _____
1.2.1.2	<p>The address of the Bidder is:</p> <p>Postal address:</p> <p>_____</p> <p>_____</p> <p style="text-align: right;"><b>Postal Code:</b> _____</p> <p>Tel: _____ Fax: _____</p> <p>TAX / VAT Registration No: _____</p> <p>Physical address:</p> <p>_____</p> <p>_____</p> <p style="text-align: right;"><b>Postal Code:</b> _____</p> <p>E-mail address: _____</p>
6.2.1	<p>The security to be provided by the Contractor shall be one of the following:</p> <p>(a) Cash deposit of 10 % of the Contact Sum (excl. VAT) <input type="checkbox"/> YES or <input type="checkbox"/> NO</p> <p>(b) Variable performance guarantee of 10 % of the Contract Sum (excl. VAT) <input type="checkbox"/> YES or <input type="checkbox"/> NO</p> <p>(c) Retention of 10 % of the value of the Works (excl. VAT) <input type="checkbox"/> YES or <input type="checkbox"/> NO</p> <p>(d) Cash deposit of 5 % of the Contract Sum (excl. VAT) plus retention of 5 % of the value of the Works (excl. VAT) <input type="checkbox"/> YES or <input type="checkbox"/> NO</p> <p>(e) Performance guarantee of 5 % of the Contract Sum (excl. VAT) plus retention of 5 % of the value of the Works (excl. VAT) <input type="checkbox"/> YES or <input type="checkbox"/> NO</p> <p><b>NB: Guarantees submitted must be issued by either an insurance company duly registered in terms of the Insurance Act [Long-Term Insurance Act, 1998 (Act 52 of 1998) or Short-Term Insurance Act, 1998 (Act 53 of 1998)] or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.</b></p>

## DPW-10.2 (EC): VARIABLE CONSTRUCTION GUARANTEE (GCC (2010) 2<sup>nd</sup> EDITION: 2010)

Director-General  
Department of Public Works and Infrastructure  
Government of the Republic of South Africa

### FOR ATTENTION

**Department of Public Works**  
Private Bag x 65  
**Pretoria**  
**0001**

Sir,

### VARIABLE CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF GCC (2010) 2<sup>nd</sup> EDITION 2010

1. With reference to the contract between \_\_\_\_\_  
\_\_\_\_\_ (hereinafter referred to as the “**contractor**”) and the Government of the Republic of South Africa in its Department of Public Works and Infrastructure (hereinafter referred to as the “**employer**”), Contract/Tender No: **H22/037AI**, for the **SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK, LEBOWAKGOMO, NELSPRUIT & THOHYANDOU: LOCAL CRIMINAL RECORD CENTRES: REPAIR AND UPGRADING** (hereinafter referred to as the “**contract**”) for the sum of R \_\_\_\_\_, ( \_\_\_\_\_ ), (hereinafter referred to as the “**contract sum**”).  
I / We, \_\_\_\_\_  
in my/our capacity as \_\_\_\_\_ and hereby  
representing \_\_\_\_\_ (hereinafter referred to as the “**guarantor**”) advise that the **guarantor** holds at the **employer**'s disposal the sum of R \_\_\_\_\_, ( \_\_\_\_\_ ) being 10% of the **contract sum** (excluding VAT), for the due fulfilment of the **contract**.
2. I / We advise that the **guarantor**'s liability in terms of this guarantee shall be as follows:
  - (a) From and including the date on which this guarantee is issued and up to and including the day before the date on which the last **certificate of completion** of works is issued, the **guarantor** will be liable in terms of this guarantee to the maximum amount of 10% of the **contract sum** (excluding VAT);
  - (b) The **guarantor**'s liability shall reduce to 5 % of the **value of the works** (excluding VAT) as determined at the date of the last **certificate of completion** of works, subject to such amount not exceeding 10% of the **contract sum** (excluding VAT);
  - (c) This guarantee shall expire on the date of the last **final approval certificate**.
3. The **guarantor** hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis*; and *de duobus vel pluribus reis debendi* which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the **employer** the amount guaranteed on receipt of a written demand from the **employer** to do so, stating that (in the **employer**'s opinion and sole discretion):
  - (a) the **contractor** has failed or neglected to comply with the terms and/or conditions of the **contract**;  
or

**Tender no: (Insert Tender Number)**

- (b) the **contractor's** estate is sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa.
- 4. Subject to the above, but without in any way detracting from the **employer's** rights to adopt any of the procedures provided for in the **contract**, the said demand can be made by the **employer** at any stage prior to the expiry of this guarantee.
- 5. The amount paid by the **guarantor** in terms of this guarantee may be retained by the **employer** on condition that upon issue of the last **final approval certificate**, the **employer** shall account to the **guarantor** showing how this amount has been expended and refund any balance due to the **guarantor**.
- 6. The **employer** shall have the absolute right to arrange his affairs with the **contractor** in any manner which the **employer** deems fit and the **guarantor** shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the **guarantor**. Without derogating from the foregoing, any compromise, extension of the construction period, indulgence, release or variation of the **contractor's** obligation shall not affect the validity of this guarantee.
- 7. The **guarantor** reserves the right to withdraw from this guarantee at any time by depositing the guaranteed amount with the **employer**, whereupon the **guarantor's** liability ceases.
- 8. This guarantee is neither negotiable nor transferable, and
  - (a) must be surrendered to the **guarantor** at the time when the **employer** accounts to the **guarantor** in terms of clause 5 above, or
  - (b) shall lapse in accordance with clause 2 (c) above.
- 9. This guarantee shall not be interpreted as extending the **guarantor's** liability to anything more than payment of the amount guaranteed.

**SIGNED AT** \_\_\_\_\_ **ON THIS** \_\_\_\_\_ **DAY OF** \_\_\_\_\_ **20**\_\_\_\_\_

**AS WITNESS**

1. \_\_\_\_\_

2. \_\_\_\_\_

**By and on behalf of**

\_\_\_\_\_  
 \_\_\_\_\_

**(insert the name and physical address of the guarantor)**

**NAME:** \_\_\_\_\_

**CAPACITY:** \_\_\_\_\_  
**(duly authorised thereto by resolution attached marked Annexure A)**

**DATE:** \_\_\_\_\_

- A. No alterations and/or additions of the wording of this form will be accepted.**
- B. The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.**
- C. This GUARANTEE must be returned to:** \_\_\_\_\_

## DPW-10.4 (EC): FIXED CONSTRUCTION GUARANTEE GCC (2010) 2<sup>nd</sup> EDITION: 2010

Director-General  
Department of Public Works and Infrastructure  
Government of the Republic of South Africa

### FOR ATTENTION

**Insert name**

Private Bag **insert no**

**insert town**

**insert postal code**

Sir,

### FIXED CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF GCC 2<sup>ND</sup> EDITION 2010

1. With reference to the contract between \_\_\_\_\_  
\_\_\_\_\_ (hereinafter referred to as the “**contractor**”) and the Government of the Republic of South Africa in its Department of Public Works and Infrastructure (hereinafter referred to as the “**employer**”), Contract/Tender No: **insert Contract / Tender No**, for the **insert description of Works** (hereinafter referred to as the “**contract**”), for the sum of R **insert amount**, (**insert amount in words**), (hereinafter referred to as the “**contract sum**”).  
  
I / We, \_\_\_\_\_  
  
in my/our capacity as \_\_\_\_\_ and hereby  
  
representing \_\_\_\_\_ (hereinafter referred to as the “**guarantor**”) advise that the **guarantor** holds at the **employer**’s disposal the sum of R **insert amount**, (**insert amount in words**) being 5% of the **contract sum** (excluding VAT), for the due fulfillment of the **contract**.
2. The **guarantor** hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis*; and *de duobus vel pluribus reis debendi* which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the **employer** the amount guaranteed on receipt of a written demand from the **employer** to do so, stating that (in the **employer**’s opinion and sole discretion):
  - (a) the **contractor** has failed or neglected to comply with the terms and/or conditions of the **contract**;  
or
  - (b) the **contractor**’s estate is sequestrated; liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa.
3. Subject to the above, but without in any way detracting from the **employer**’s rights to adopt any of the procedures provided for in the **contract**, the said demand can be made by the **employer** at any stage prior to the expiry of this guarantee.
4. The amount paid by the **guarantor** in terms of this guarantee may be retained by the **employer** on condition that upon the issue of the last **final approval certificate**, the **employer** shall account to the **guarantor** showing how this amount has been expended and refund any balance due to the **guarantor**.

Contract/Tender No: **insert Contract / Tender No**

5. The **employer** shall have the absolute right to arrange his affairs with the **contractor** in any manner which the **employer** deems fit and the **guarantor** shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the **guarantor**. Without derogating from the foregoing, any compromise, extension of the construction period, indulgence, release or variation of the **contractor's** obligation shall not affect the validity of this guarantee.
6. The **guarantor** reserves the right to withdraw from this guarantee at any time by depositing the guaranteed amount with the **employer**, whereupon the **guarantor's** liability ceases.
7. This guarantee is neither negotiable nor transferable, and
  - (a) must be surrendered to the **guarantor** at the time when the **employer** accounts to the **guarantor** in terms of clause 4 above, or
  - (b) shall lapse on the date of the last **certificate of completion** of works.
8. This guarantee shall not be interpreted as extending the **guarantor's** liability to anything more than the payment of the amount guaranteed.

SIGNED AT \_\_\_\_\_ ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_\_\_\_.

**AS WITNESS**

1. \_\_\_\_\_

2. \_\_\_\_\_

**By and on behalf of**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
(insert the name and physical address of the guarantor)

**NAME:** \_\_\_\_\_

**CAPACITY:** \_\_\_\_\_  
(duly authorised thereto by resolution attached marked Annexure A)

**DATE:** \_\_\_\_\_

- A. No alterations and/or additions of the wording of this form will be accepted.**
- B. The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.**
- C. This GUARANTEE must be returned to:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK,  
LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES:  
REPAIR AND UPGRADING



public works  
& infrastructure

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Department:  
Public Works and Infrastructure  
**REPUBLIC OF SOUTH AFRICA**

## ***PART C2: PRICING DATA***

## PG-02.1 (EC) PRICING ASSUMPTIONS – GCC (2010) 2<sup>nd</sup> Edition 2010

<b>Project title:</b>	36-Month Repair And Refurbishment Programme: South African Police Service: Various Centres: Mpumalanga Acornhoek, Lebowakgomo, Nelspruit & Thohoyandou: Local Criminal Record Centres: Repair And Upgrading For A Period Of 36 Months.		
<b>Tender / Quotation no:</b>	H22/037AI	<b>Reference no:</b>	21/1/2(47)

### C2.1 Pricing Assumptions

#### C2.1.1 GENERAL

The Bill of Quantities forms part of the Contract Documents and must be read and priced in conjunction with all the other documents comprising the Contract Documents, which include the Conditions of Tender, Conditions of Contract, the Specifications (including the Project Specification) and the Drawings.

#### C2.1.2 DESCRIPTION OF ITEMS IN THE SCHEDULE

The Bill of Quantities has been drawn up generally in accordance with Civil Engineering Quantities 1990 issued by the SA Institution of Civil Engineers.

The short descriptions of the items in the Bill of Quantities are for identification purposes only and the measurement and payment clause of the Standardized Specifications and the Particular Specifications, read together with the relevant clauses of the Project Specification and directives on the drawings, set out what ancillary or associated work and activities are included in the rates for the operations specified.

#### C2.1.3 QUANTITIES REFLECTED IN THE SCHEDULE

The quantities given in the Bill of Quantities are estimates only, and subject to remeasuring during the execution of the work. The Contractor shall obtain the Engineer's detailed instructions for all work before ordering any materials or executing work or making arrangements for it.

The Works as finally completed in accordance with the Contract shall be measured and paid for as specified in the Bill of Quantities and in accordance with the General and Special Conditions of Contract, the Specifications and Project Specifications and the Drawings. Unless otherwise stated, items are measured net in accordance with the Drawings, and no allowance has been made for waste.

The validity of the contract will in no way be affected by differences between the quantities in the Bill of Quantities and the quantities finally certified for payment.

#### C2.1.4 PROVISIONAL SUMS

Where Provisional sums or Prime Cost sums are provided for items in the Bill of Quantities, payment for the work done under such items will be made in accordance with Clause 45 of the General Conditions of Contract 2004. The Employer reserves the right, during the execution of the works, to adjust the stated amounts upwards or downwards according to the work actually done under the item, or the item may be omitted altogether, without affecting the validity of the Contract.

The Tenderer shall not under any circumstances whatsoever delete or amend any of the sums inserted in the "Amount" column of the Bill of Quantities and in the Summary of the Bill of Quantities unless ordered or authorized in writing by the Employer before closure of tenders. Unauthorized changes made by the Tenderer to provisional items in the Bill of Quantities, or to the provisional percentages and sums in the Summary of the Bill of Quantities will lead to the disqualification of the Tenderer.

#### C2.1.5 PRICING OF THE BILL OF QUANTITIES

The **bills of quantities / lump sum document** forms part of and must be read and priced in conjunction with all the other documents forming part of the **contract documents**, the Standard Conditions of Tender, Conditions of Contract, Specifications, Drawings and all other relevant documentation.



The prices and rates to be inserted by the Tenderer in the Bill of Quantities shall be the full inclusive prices to be paid by the Employer for the work described under the several items, and shall include full compensation for all cost and expenses that may be required in and for the completion and maintenance during the defects liability period of all the work described and as shown on the drawings as well as all overheads, profits, incidentals and the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the Tender is based.

Each item shall be priced and extended to the "Total" column by the Tenderer, with the exception of the items for which only rates are required, or items which already have Prime Cost or Provisional Sums affixed thereto. If the Contractor omits to price any items in the Bill of Quantities, then these items will be considered to have a nil rate or price.

The Tenderer is required to check the Bills of Quantities and the numbers of the pages and should any be found to be missing or in duplicate, or should any of the typing be indistinct, or any doubt of obscurity arise as to the meaning of any description or particulars of any item, or if this Tender Enquiry contains any obvious errors, then the Tenderer must immediately inform the Principal Agent and have them rectified or explained in writing as the case may be. No liability whatsoever will be admitted by reason of the Contractor having failed to comply with the foregoing instruction.

No alterations, erasures, omissions or additions is to be made in the text and/or conditions of these Bills of Quantities. Should any such alterations, amendments, note/s or addition be made, the same will not be recognized, but reading of these Bills of Quantities as originally prepared by the Quantity Surveyor will be adhered to.

The contractor is cautioned that the use of any quantities appearing in these Bills of Quantities for the purpose of ordering material, it is done at own risk and no liability whatsoever will be admitted by the Employer or Quantity Surveyor for the correctness of such Quantities. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste.

The prices and rates to be inserted by the Tenderer in the Bills of Quantities shall be the full inclusive prices to be paid by the Employer for the work described. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit. Market related prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out. The Employer reserves the right to balance the Bill rates where deemed necessary within the Tendered Amount.

A price or rate is to be entered against each item in the Bills of Quantities, whether the quantities are stated or not. An item against which no rate is/are entered, or if anything other than a rate or a nil rate (for example, a zero, a dash or the word "included" or abbreviations thereof) is entered against an item, it will also be regarded as a nil rate having been entered against that item, i.e. that there is no charge for that item. The Tenderer may be requested to clarify nil rates, or items regarded as having nil rates; and the Employer may also perform a risk analysis with regard to the reasonableness of such rates.

Should the full intent and meaning of any description not be clear, the bidder shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of National Best Practice.

All items for which terminology such as "inclusive" or "not applicable" have been added by the Tenderer will be regarded as having a nil rate which shall be valid irrespective of any change in quantities during the execution of the Contract.

The Tenderer shall fill in rates for all items where the words "rate only" appear in the "Total" column. "Rate Only" items have been included where:

- (a) variations of specified components in the make-up of a pay item may be expected; and
- (b) no work under the item is foreseen at tender stage but the possibility that such work may be required is not excluded.



For ‘Rate Only’ items no quantities are given in the ‘Quantity’ column but the quoted rate shall apply in the event of work under this item being required. The Tenderer shall however note that in terms of the Tender Data the Tenderer may be asked to reconsider any such rates which the Employer may regard as unbalanced.

Descriptions in the Bills of Quantities are abbreviated and comply generally with those in the ‘PW 371’ and the principles contained in the latest version of the SANS 1200 in South Africa. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the bidder shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of National Best Practice.

The price quoted against each item of this Bills of Quantities shall cover the full inclusive cost of the complete work to which it refers, as described in the Conditions of Contract and Specifications and as shown on the Drawings and shall allow for labour, material, transporting, loading, storage, supervision, commissioning, wastage, as well as the builders profit and attendance.

The Tenderer must ensure that he fully completes all columns of the Bill of Quantities including the Final Summary. The fully priced bill of quantities must be submitted with the tender or The Final Summary and the Section Summary pages MUST be returned with the tender document as indicated the PA-03 Notice and Invitation to Tender / PA-04 Notice and Invitation for quotation.

The tenderers are to ensure that they have read and understood the project specifications included in C3: Scope of Work. All the information provided in the Scope of Works form part of the work and must be included in the rates.

‘The Contractor shall be deemed to have inspected and examined the Site and its surroundings and information available in connection therewith and to have satisfied himself before submitting his tender (as far as is practicable) as to:

- (a) the form and nature of the Site and its surroundings, including subsurface conditions,
- (b) the hydrological and climatic conditions,
- (c) the extent and nature of work and materials necessary for the execution and completion of the Works,
- (d) the means of access to the Site and the accommodation he may require

and, in general, shall be deemed to have obtained all information (as far as is practicable) as to risks, contingencies and all other circumstances which may influence or affect his Tender’

### C2.1.6 VALUE ADDED TAX

The **contract sum** must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the **bills of quantities / lump sum document** shall be in Rands and cents and shall include all levies and taxes (other than VAT). VAT will be added in the summary of the Bill of Quantities. The rates must however be net (exclusive of VAT) with VAT calculated and added to the total value thereof in the Final Summary. All rates and amounts quoted in the Bill of Quantities

### C2.1.7 CORRECTION OF ENTRIES

Incorrect entries shall not be erased or obliterated with correction fluid but must be crossed out neatly. The correct figures must be entered above or adjacent to the deleted entry, and the alteration must be initialled by the Tenderer.

### **C2.1.8 ARITHMETICAL ERRORS**

Arithmetical errors found in the Bill of Quantities as a result of faulty multiplication of addition, will be corrected by the Engineer at the tender evaluation stage, as set out in the Tender Data.

### **C2.1.9 CONTRACT DOCUMENTS**

The Tenderers are advised to examine the bills of quantities, drawings and specifications including all other contract documents and make themselves thoroughly acquainted with the nature and requirements of the work, as no claim for extra payment in this regard will be entertained. Should any parts of the drawings not be clearly intelligible to the Tender, he must, before submitting his tender, obtain clarification from the Principal Agent.

### **C2.1.10 UNITS OF MEASUREMENT**

The units of measurement described in the Bill of Quantities are metric units for which the standard international abbreviations are used. Non-standard abbreviations which may appear in the Bill of Quantities are as follows:

No.	=	Number
%	=	Percent
Sum	=	Lump sum
PCsum	=	Prime cost sum
Prov sum	=	Provisional sum
m <sup>3</sup> .km	=	Cubic metre - kilometre
Km-pas	=	kilometre - pass
m <sup>2</sup> .pass	=	square metre – pass

### **C2.1.11 TRADE NAMES**

Tenderers attention is drawn to the fact that wherever trade names or references to any catalogue have been made in these Bills of Quantities, it is purely to establish a standard for the required material. If use is made of any other equally approved material in lieu of the prescribed trade name or catalogue, the necessary price adjustments will be made.

### **C2.1.12 CONTRACT DOCUMENTS**

The Tenderers are advised to examine the bills of quantities, drawings and specifications including all other contract documents and make themselves thoroughly acquainted with the nature and requirements of the work, as no claim for extra payment in this regard will be entertained. Should any parts of the drawings not be clearly intelligible to the Tender, he must, before submitting his tender, obtain clarification from the Principal Agent.

### **C2.1.13 PAYMENTS**

Interim valuations and payments will be prepared on a monthly basis, all in terms of the conditions of contract.

The contractor is to note that no payment will be made for materials stored off site and in the case of materials being stored on site, payment will only be made for such materials on condition that they have not been delivered to the site prematurely, a tax invoice and proof of payment (ownership) is submitted by the Contractor.

### **C2.1.14 ACCOMMODATION ON SITE**

It is imperative to note that no living quarters for construction workers on site will not be permitted for the full duration of the contract unless otherwise stated in the contract data or permission be granted by the Employer.

## C2.1.15 LOCAL MATERIAL UTILISATION REPORT (LOCAL CONTENT)

Bidders to note that materials procured for the works should be from South African manufactures and suppliers. Imported materials shall only be considered under exceptional circumstances, based on compelling technical justifications, and subject to the approval by the NDPWI.

The contractor shall achieve in the performance of this contract the prescribed local content deliverables as listed in PA36 and annexures C thereto in the respective designated sectors as published by Department Trade Industry and Competition (DTIC). The Service Provider shall submit an accumulative monthly report to the Employer's representative indicating the percentage targets achieved which must be reconciled upon completion of the project and to form part of the final account.

The contractor shall be responsible for record keeping, documenting and submission of monthly local material utilization report with supporting documentation to the Employer's representative within 7 working days of the beginning of the successive month, in terms of DTI&C designated industry/sector/sub-sector schedule as per the PA36 and Annexures C attached to the tender document. The final percentage achievement to be reconciled upon completion of the project and form part of the final account.

## C2.1.16 CONTRACT PARTICIPATION GOALS

The contractor shall achieve in the performance of this contract the following Contract Participation Goals (CPGs) as indicated below:

Provision for pricing of compliance with the achieving the CPGs is made in the Contract Participation Goal Section of the Bills of Quantities and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced thereunder and no additional claims in this regard shall be entertained

Monthly progressive reports to be submitted to the Employer's representative indicating the percentage targets achieved which must be reconciled upon completion of the project and to form part of the final account.

### C2.1.16.1 Minimum 30% Sub-contracting Contract Participation Goal

#### MINIMUM 30% MANDATORY SUBCONTRACTING TO SMMEs: IMPLEMENTATION OF PREFERENTIAL PROCUREMENT REGULATIONS 2017

**30% Mandatory subcontracting is *Applicable* to this project.**

Provision is made within the Contract Participation Goal section in the Bill of Quantities for thirty percent (30%) subcontracting to SMMEs in the execution of this project as described in PG-01.1 (EC) SCOPE OF WORKS C3.5.1. The contractor shall price his Profit and Attendance, all inclusive of associated costs to the contractor for implementation. Allowance must be made for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

### C2.1.16.2 MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS CONTRACT PARTICIPATION GOAL

**The Minimum Targeted Local Building Material Manufacturers CPG is *Applicable* to this project.**

Provision is made within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Local Building Material Manufacturers CPG in the execution of this project as described in PG-01.1 (EC) SCOPE OF WORKS C3.5.2. The contractor shall price his Profit and

Attendance, all inclusive of associated costs to the contractor for implementation. Allowance must be made for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

**C2.1.16.3 MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS CONTRACT PARTICIPATION GOAL**

**The Minimum Targeted Local Building Material Suppliers CPG is *Applicable* to this project.**

Provision is made within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Local Building Material Suppliers CPG in the execution of this project as described in PG-01.1 (EC) SCOPE OF WORKS C3.5.3. The contractor shall price his Profit and Attendance, all inclusive of associated costs to the contractor for implementation. Allowance must be made for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

**C2.1.16.4 MINIMUM TARGETED LOCAL LABOUR SKILLS DEVELOPMENT CONTRACT PARTICIPATION GOAL**

**The Minimum Targeted Local Labour Skills Development CPG is *Applicable* to this project.**

Provision is made within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Local Labour Skills Development CPG in the execution of this project as described in PG-01.1 (EC) SCOPE OF WORKS C3.5.4. The contractor shall price his Profit and Attendance, all inclusive of associated costs to the contractor for implementation. Allowance must be made for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

**C2.1.16.5 CIDB BUILD PROGRAMME: MINIMUM TARGETED ENTERPRISE DEVELOPMENT: CONTRACT PARTICIPATION GOALS (CPG)**

**The Minimum Targeted Enterprise Development CPG is *Applicable* to this project.**

A provisional amount has been allowed for within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Enterprise Development CPG in the execution of this project as described in PG-01.1 (EC) SCOPE OF WORKS C3.5.5. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises.

The contractor shall price his Profit and Attendance, all inclusive of associated costs to the contractor for implementation. Allowance must be made for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

The contractor shall complete a separate bill of quantities upon the award of the project and identification of the respective beneficiaries and the appointment of the training coordinator, mentor, training service providers of which the cost will be offset against the provisional amount allowed in the Bills of Quantities.

**C2.1.16.6 CIDB BUILD PROGRAMME: MINIMUM TARGETED TARGETED CONTRACT SKILLS DEVELOPMENT GOALS (CSDG)**

**The Minimum Targeted Contract Skills Development CPG is *Applicable* to this project.**

A provisional amount has been allowed for within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Skills Development CPG in the execution of this project as described in PG-01.1 (EC) SCOPE OF WORKS C3.5.6. The provisional amount allowed is for:

- stipends payable to the beneficiaries
- appointment of training coordinator
- appointment of mentor (where applicable)
- appointment of training service providers
- other additional costs as per table 3 of the Standard

The contractor shall price his Profit and Attendance (all inclusive of associated costs to the contractor for implementation and reporting), based on the provisional amount in the Contract Participation Goal section in the Bill of Quantities. The contractor shall complete a separate bill of quantities upon the award of the project and identification of the respective beneficiaries. The CPG value to be achieved will be based on the actual contract amount which will be offset against the provisional amount allowed for within the Contract Participation Goal section in the Bill of Quantities.

Allowance must be made for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

#### Payment

The contractor shall upon the appointment of beneficiaries, provide a breakdown of all the associated costs. The contractor shall provide a payment schedule as to how the CPG costs will be claimed against for inclusion in the monthly payment certificates.

(a) Payment to the contractor to accommodate Part/Full Occupational qualification and Trade qualifications:

Should the contractor select Part/Full Occupational qualification and Trade qualifications learners, then the employer shall make provision for payment to the contractor as indicated in Table 3 of the Standard.

The contract skills participation goal, expressed in Rand, shall not be less than the contract amount multiplied by a percentage (%) factor given in Table 2 in the Standard for the applicable class of construction works. Should the contractor select Part/Full Occupational qualification and Trade qualifications learners, then the employer shall make provision for payment to the contractor as indicated in Table 3 of the Standard.

No provision for an additional payment item for the payment of the supervisor and/or mentors for the provision of training as provided for in the Contract Participation Goal section in the Bill of Quantities for the training of part/full time occupational learners and/or trade qualification learners. The associated cost is deemed to be included in general supervision on site.

The contractor shall complete a separate bill of quantities upon award, indicating the type and number of beneficiaries as well as the associated Notional Cost of Training to be provided, on which payment will be based.

(b) Payment to the contractor to accommodate Work Integrated Learners and Candidates for professional registration;





<b>Method 3:</b> Candidacy for an unemployed learner with a 3-year qualification	1	R61 500	R246 000	R246 000
Total	2			R338 000

#### C2.1.16.7 NATIONAL YOUTH SERVICE TRAINING AND DEVELOPMENT PROGRAMME

**The National Youth Service Training and Development Programme is *Applicable* to this project.**

The programme shall be implemented in terms of the Implementation of the National Youth Service Programme under the Expanded Public Works (EPWP) and shall be priced in the CPG section of the Bills of Quantities.

Provision has been made within the Contract Participation Goal section in the Bill of Quantities for the National Youth Service Training and Development Programme CPG in the execution of this project as described in PG-01.1 (EC) SCOPE OF WORKS C3.5.7. The contractor to price all elements of this section and allowance must be made for submitting monthly reports in the prescribed manner as per examples of reports bound in the specification document.

#### C2.1.16.8 LABOUR-INTENSIVE WORKS

**Labour Intensive Works is *Applicable* to this project**

Where labour intensive work is specified in the Bill of Quantities and indicated by “LI” the contractor must price for and include in rates. Contractors are expected to use their initiative to identify additional activities that can be done labour-intensively to comply with the set minimum labour intensity target. Allowance must be made for submitting monthly reports illustrating the value of the works executed under Labour Intensive Works.

#### C2.2 Submission of Accrual Reports

The Contractor shall submit accrual reports to the client representative at the end of March and September each year for the duration of the Service Contract period from the date of appointment up to and including project closeout. This is to ensure that PMTE complies with the accounting framework GRAP, which requires that PMTE disclose all its accruals as at the end of each reporting date. Allowance must be made for submitting reports to the Employer’s Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE no. 21/1/2(47)



public works  
& infrastructure  
Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**

**SCHEDULE OF QUANTITIES****SCHEDULE no 1: GENERAL**

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
SABS 1200 A	<b>100.00</b>	<b><u>GENERAL</u></b>				
	<b>100.01</b>	<b>Scheduled fixed-charge and value related</b>				
PSA 8.3.1	.01	Fixed preliminary and general charges	Sum	-	-	
PSA 8.3.2	.02	Value-related preliminary and general charges	Sum	-	-	
PSA 8.6	<b>100.02</b>	<b>Prime Cost Sums</b>				
	.01	Housing for Engineers representative	-	PC	sum	R 275 000.00
	.02	Charge required by Contractor on subitem .01 above	%			
PSA 8.6	<b>101.00</b>	<b>Additional Tests:</b>				
	.01	Additional tests required by the Engineer. Approximate cost R25 000,00 to include attendance and profit	-	PC	sum	R 25 000.00
	.02	Charge Attendance and Profit	%			
PSA 8.12 100	<b>102.00</b>	<b>Call Centre</b>				
	.01	Call centre operating costs for breakdown calls logged	-	PC	sum	R 180 000.00
	.02	Charge required by Contractor on subitem .01 above	%			
PSA 8.11	<b>103.00</b>	<b>Occupational Health and Safety</b>				
	.01	Preparation of Health and Safety Plan and approved by Engineer	-	PC	sum	R 180 000.00
	.02	Charge required by Contractor on subitem .01 above	%			
	.03	Compliance with OHS Act and Construction Regulations 2014 (Scoring and Payment as per SI 06.03)	no	36		
SH	<b>104.00</b>	<b>HIV / AIDS Awareness</b>				
		It is required of the Contractor to thoroughly study the Additional Specification SH: HIV / AIDS Requirements (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under item 104.01 to 104.05 hereafter and it is explicitly pointed out that all requirements of the afore-mentioned specification are deemed to be priced herunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained.				
		The contractor must take note that the compliance with the HIV/ AIDS specification is compulsory in the event of partial or total non-compliance, the Representative/Agent, notwithstanding the provisions of Clause 52 of the General Conditions of Contract for works of Civil engineering Construction or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the Contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay in payment.				
<b>Carried Forward</b>						



## SCHEDULE no 1: GENERAL

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
<b>Brought Forward</b>						
SH 07	<b>104.01</b>	<b>Awareness Champaign:</b>  .01 Selection, appointment, briefing and making available of an Awareness Champaign including provision of all relevant services, all in accordance with the HIV/AIDS specification.	Sum	-	-	
SH 04	<b>104.02</b>	<b>Awareness Workshops:</b>  .01 Selection and appointment of a competent Service Provider approved by the Representative/Agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses making available all tuition material and performing assessments procedures all in accordance with	Sum	-	-	
SH 04.03	<b>104.03</b>	<b>Posters, Booklets, Videos, etc.:</b>  .01 Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period.	Sum	-	-	
SH 05	<b>104.04</b>	<b>Access to Condoms:</b>  .01 Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period.	Sum	-	-	
SH 08	<b>104.05</b>	<b>Monitoring:</b>  .01 Monitoring HIV/AIDS awareness of workers, providing the Representative/Agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out	Sum	-	-	
	<b>105.00</b>	<b><u>COVID-19 - OCCUPATIONAL HEALTH AND SAFETY ITEMS</u></b>				
		.01 OHS Signage, Medical Waste Bins, Hand Sanitizer, Masks, Themometer, Gloves and other related Personal Protective Equipment for COVID-19 and approved by Engineer	-	PC	sum	R 180 000.00
		.02 Attendance and profit on subitem .01 above	%			
<b>Carried Forward</b>						

## SCHEDULE no 1: GENERAL

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
<b>Brought Forward</b>						
SN	106.00	<b>Expanded Public Works Programme</b> <b><u>EMPLOYMENT AND TRAINING OF EPWP WORKERS</u></b>				
		<b>PREAMBLES</b> Tenderers are advised to study the Additional Specification SL: Employment and Training of Labour on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service				
	106.01	<b><u>TRAINING OF YOUTH WORKERS</u></b> <b>(TARGET: 12 Youth Workers)</b>				
		<b><u>Orientation, Life skills Development and Technical Training:</u></b>				
SN10.01.01	106.01.01	Orientation and Life skills development training for youth workers for an average of 10 days per youth worker (ref. SL 11.01.01)	-	PC	sum	R 30 000.00
SN10.01.02	106.01.02	Technical Skills Training for youth workers for an average of 80	-	PC	sum	R 200 000.00
SN10.01.03	106.01.03	Provide Medical Surveillance	-	PC	sum	R 6 600.00
		<b>The above items are only applicable if NYDA do not fund the specific training.</b> Profit and attendance on condition that services and cost has been incurred (on items 106.01.01, 106.01.02 and 106.01.03 above)	%			
SN 07.01		Payment Reduction per trainee due to not meeting the training target (ref. SL 11.03)	-	Youth-worker	-2 500.00	
	106.02	<b><u>TRAVELING DURING ON-SITE TRAINING:</u></b>				
		<b><u>Practical Work based Experiential training for 10 days each</u></b>				
		.01 Traveling (based on R20 per day return trip/youth worker)	-	PC	sum	R 6 000.00
		.02 Profit and attendance on condition that services and cost has been incurred (on item .01 above)	%			
SN10.02	106.03	<b><u>EMPLOYMENT OF YOUTH WORKERS</u></b>				
		<b>Employment of Youth Workers</b>	-	PC	sum	R 232 000.00
		The unit of measurement shall be the number of youth workers at the labour rate of <b>R 102.00</b> per day on Training as per EPWP Ministerial Determination multiplied by the period employed in months and the rate tendered shall include full compensation for all costs associated with the employment of youth workers and for complying with the conditions of contract. The cost for the training shall be excluded from this item. This item is based on 9 months appointment for youth workers				
		Profit and attendance on condition that services and cost has been incurred (ref. SL 11.04.02) 106.03	%			
<b>Carried Forward</b>						

## SCHEDULE no 1: GENERAL

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
<b>Brought Forward</b>						
<b>SN10.04.01</b>	<b>106.04</b>	<b><u>PROVISION OF EPWP DESIGNED OVERALLS AND HARD HATS TO YOUTH WORKERS</u></b> Supply EPWP branded 2 x overalls, safety boots and 1 x EPWP branded hard hat to youth workers (ref. SL 11.05.01)	-	PC	sum	R 18 000.00
<b>SN10.04.04</b>		Profit and attendance on condition that services and cost has been (ref. SL 11.05.02) 106.04	%			
<b>SN 05</b>	<b>106.05</b>	<b><u>PROVISION OF BASIC TOOLS FOR YOUTH WORKERS</u></b> Provide all youth workers with prescribed tools for their respective trades. Specification for the mentioned tools to be provided by the Service Provider. These tools will become the property of the youth workers after the completion of the programme (ref. SL 11.06.01)	-	PC	sum	R 19 200.00
		Profit and attendance on condition that services and cost has been incurred (ref. SL 11.06.02) 106.05	%			
	<b>106.06</b>	<b><u>APPOINTMENT OF YOUTH TRAINING COORDINATOR (TEAM</u></b> Appointment of Youth Team Leader/s for the duration of the contract (ref. SL 11.07.01)	-	PC	sum	R 10 000.00
		Profit and attendance on condition that services and cost has been incurred 106.06	%			
	<b>106.07</b>	<b>LIAISON WITH SERVICE PROVIDER</b> (ref. SL 11.08)	hours	100.00		
	<b>106.08</b>	<b>LOGISTICS FOR EXIT WORKSHOP</b> <b>Provide logistic items for Exit Workshop/ Graduation (Catering, Orange Golf T-Shirts, Venue Hire and Sound System).</b>	-	PC	sum	R 6 000.00
		Profit and attendance on condition that services and cost has been incurred 106.08	%			
	<b>107</b>	<b>CONTINGENCY ALLOWANCE FOR OPERATIONAL DAMAGES AT THE RECORD CENTRES</b>				
	.01	At all 4 - Local Criminal Record Centres	-	PC	sum	R 50 000.00
	.02	Charge required by Contractor on sub item .01 above	%			
<b>TOTAL SCHEDULE no 1 - CARRIED TO SUMMARY: REPAIR WORK</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE no. 21/1/2(47)


**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**

INSTALLATION: NELSPRUIT

**SCHEDULE no 2: BUILDING SERVICES****REPAIR WORK**

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
SABS 1200 C PSC 8.2.1	201.00	<b><u>SITE CLEARANCE</u></b>					
	202.00	<b>Clear and grub:</b> .01 Areas	m <sup>2</sup>	45			
SABS 1200 D PSD 8.3.3	203.00	<b><u>EARTHWORKS</u></b> <b>Restricted excavation:</b>					
		.01 Excavate for footings in all materials, and use for backfill (G5 Material grade) or embankment, or dispose .01 Depth up to 1,5 m	m <sup>3</sup>	12			
		.02 Extra over item 202.00.01 above for: .01 Intermediate excavation	m <sup>3</sup>	6			
		.02 Hard rock excavation	m <sup>3</sup>	3			
		.03 Extra over item 202.00.01 for hand excavation	m <sup>3</sup>	2			
SABS 1200 DB	204.00	<b><u>EARTHWORKS (PIPE TRENCHES)</u></b> <b><u>TRENCHES FOR FLOORDRAIN SEWER PIPES</u></b>					
	PSDB 8.3.2	204.01	<b>Excavate in all materials for trenches, backfill (G5 Material grade), compact and dispose of surplus material:</b> .01 Pipes up to 125 mm dia for depths: .01 Up to 1,0 m .02 Over 1,0 m up to 2,0 m	m m	20 5		
PSDB 8.3.2		204.02	<b>Extra over item 204.01 above for:</b>				
			.01 Intermediate excavation	m <sup>3</sup>	3		
		.02 Hard rock excavation	m <sup>3</sup>	1			
		.03 Hand excavation where ordered by the Engineer: .01 Soft material	m <sup>3</sup>	2			
		.02 Intermediate material	m <sup>3</sup>	2			
	.03 Hard material	m <sup>3</sup>	2				
	.04 Backfill (G5 Material grade) stabilized with 5% cement where directed by the Engineer	m <sup>3</sup>	10				
	.05 Soilcrete backfill where directed by the Engineer	m <sup>3</sup>	5				
<b>Carried Forward</b>							

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
<b>Brought Forward</b>						
PSDM 8.3.18 SABS 1200 G	205.00	<b>Final finishing and cleaning up of the Site of the Works</b> <b>CONCRETE (STRUCTURAL)</b>				
		<b>SCHEDULED REINFORCEMENT ITEMS</b>				
8.3.2	205.01	<b>High-tensile welded mesh in the following:</b>				
		.01 Ref no 245 in ramps (Provisional)	m <sup>2</sup>	7		
		.02 Ref no 245 in concrete floors (Provisional)	m <sup>2</sup>	45		
		<b>SCHEDULED CONCRETE ITEMS</b>				
8.4.3	205.02	<b>Strength concrete:</b>				
		.01 Class 20 MPa/ 19 mm concrete in:				
		.01 Foundation footings (450 x 300 mm thick)	m <sup>3</sup>	3		
		.02 Floor slab (100 mm thick)	m <sup>3</sup>	7		
		.03 Ramps	m <sup>3</sup>	2		
8.4.4	205.03	<b>Unformed surface finishes:</b>				
		.01 Wood-floated finishes to:				
		.01 Top of ramps	m <sup>2</sup>	15		
SABS 1200 LB	206.00	<b>BEDDING (PIPES)</b>				
		<b>BEDDING FOR WATER PIPES</b>				
8.2.1	206.01	<b>Provision of bedding from trench excavations:</b>				
		.01 Selected granular material	m <sup>3</sup>	2		
		.02 Selected fill material	m <sup>3</sup>	2		
8.2.4	206.02	<b>Encasing of pipes in concrete:</b>				
		.01 Class 15 MPa/19 mm	m <sup>3</sup>	2		
SABS 1200 LD	207.00	<b>SEWERS</b>				
8.2.1	207.01	<b>Supply, lay, joint, bed on flexible pipe bedding and test pipeline:</b>				
		.01 uPVC solid wall class 34 pipes:				
		.01 110 mm dia	m	15		
<b>Carried Forward</b>						

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
8.2.2	207.02	<b>Extra over item 207.01 for specials:</b>				
		.01 110 mm dia bend (45° or 90°)	no	5		
		.02 110 mm dia junction	no	5		
		.03 100 mm R0 280 SV(H) NW 100 mm stainless steel floor drain including connection to 110 mm dia sewer pipe	no	2		
		.04 PVC Gulley complete with precast concrete surround	no	2		
PD 10	208.00	<b><u>BUILDING WORK</u></b>				
		note: All building work must be in accordance with the detailed specifications as issued by SAPS / DPWI				
		Reference to specific items in the specifications will be indicated in brackets in the end of item in the bill of quantities				
PD.01	208.01	<b>Brickwork:</b>				
		.01 230 mm thick, non-facing engineering in foundations	m <sup>2</sup>	7.5		
		.02 230 mm thick, non-facing engineering bricks interior, facing brick exterior to superstructure	m <sup>2</sup>	103		
		.03 115 mm thick facing brick engineering brick in beamfillng	m <sup>2</sup>	2		
		.04 115 mm thick non facing brick engineering brick	m <sup>2</sup>	20		
		<b>Support props:</b>				
		.01 Temporary propping for roof of vehicle inspection booth	no	15		
PD.02	208.02	<b>Plaster work:</b>				
		.01 15 mm thick, steel-float finish (internally)	m <sup>2</sup>	255		
PD.03	208.03	<b>Floor screeds:</b>				
		.01 Average 50 mm thick to falls	m <sup>2</sup>	35		
PD.04	208.04	<b>Doors and windows:</b>				
		.01 Steel door frames:				
		.01 Pressed steel door frame suitable for 230 mm brick wall and dust and light proof single door size 813 x 2032 mm high x 1.6 mm thick	no	2		
		0.2 Pressed steel double door frame suitable for 230 mm brick wall, dust and light proof steel doors sizes 813 x 2032 mm high	no	1		
<b>Carried Forward</b>						

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
PD.04	208.04	0.3 Pressed steel door frame suitable for 115 mm brick wall and dust and light proof single door size 813 x 2032 mm high x 1.6 mm thick	no	1		
		.02 Steel window with frame, including 4 mm clear glazing, and fibre-cement cills:				
		.01 Type D7 size 1022 mm x 1245 mm high	no	2		
		.03 Galvanised steel roller shutters <b>(7.2 Doors)</b>				
		.01 Roller Shutter or similar approved dust and light proof chain operated roller shutter, 3 000 mm wide x 3 000 mm high complete with standard locking mechanism	no	2		
		.04 Steel burglar proofing over window opening size 1022 mm x 1245 mm Rawl bolted to walls (7.2.4 Windows)	no	2		
		.05 Security Door size 813 x 2032 mm high (7.2.4 Doors) complete with lock	no	1		
		.06 Striking plate	no	6		
PD.05	209.00	<b>Structural timber:</b>				
SABS 1200HB	209.01	<b><u>BA: ROOF CLADDING AND SHEETING</u></b>				
		<b>NEW WORK</b>				
		<b>ROOF CLADDING AND SHEETING</b>				
BA.06	209.01	Supply and install				
		.01 Roof Coverings				
		.01 Concrete tiles complete with ridge coverings, etc. to match existing surrounds	m <sup>2</sup>	80		
		.02 Items measured by area:				
		.01 250 Micron white roof plastic laid taint over trusses and fixed with battens	m <sup>2</sup>	160		
		.02 0.8 mm plastic dust shield laid over ceilings	m <sup>2</sup>	160		
		.03 Ridge covering	m	12		
		.04 Edge trim	m	55		
<b>Carried Forward</b>						

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT		
<b>Brought Forward</b>								
BA.06	209.01	.03 Items measured by length:						
		.01 75 mm x 110 mm wide precast prestressed concrete lintels	m	20				
		.02 15 mm x 225 mm fibre cement fascias and barge boards	m	38				
		.03 100 x 100 mm rectangular section eaves gutters	m	16				
		.04 75 mm diameter rainwater downpipes	m	16				
		.05 100 mm x 75 mm shoe fittings	no	4				
		.04 Items measured by no:						
		.01 Hoop iron or wire roof tie, wrapped around timber truss member and built 400 mm deep into wall	no	20				
		209.02 <b>Gutters and downpipes</b>						
		.01 Match the existing. Supply and install	m	20				
<b>ALTERATION WORK</b>								
209.03	.01	Carefully remove, store and reinstall as per existing:						
		.01 Concrete tiles	m <sup>2</sup>	80				
		.02 Gutters, closures and Flashing, ect. fixed to Concrete Roof tiles.	m	5				
BB	210.00	<b>CARPENTRY</b>						
		BB06.02.01	210.01	.01 Roof beams				
				.01 50 x 150mm	m	20		
				.02 Purlins				
.01 38 x 38mm	m			30				
.03 Wall plates 38 mm x 76 mm	m	20						
PD.06	210.02	<b>Ceilings:</b>						
		.02 Gypsum board with metal H-profile jointing strips:						
		.01 6,4 mm ceilings	m <sup>2</sup>	45				
		.03 Gypsum cornices:						
.01 76 mm gypsum coved cornices	m	30						
<b>Carried Forward</b>								



INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
PD.07	210.03	<b>Joinery:</b>				
		.01 Items measured by linear meter:				
		.01 19 x 100mm hardwood skirting with quadrant bead in patchwork	m	20		
		.02 19 x 100mm vinyl skirting with quadrant bead in patchwork	m	20		
		0.02 Items measured by no (7.2 Doors )				
		.01 Solid meranti door, 40mm thick, size 813 x 2032mm including all necessary seals and gaskets with lock 6 lever	no	1		
		.02 2 hour fire rated door as per sepcifications, size 813 x 2032mm, including all necessary seals and gaskets with lock 6 lever	no	3		
		.03 Hollow core door 813 x 2032mm with lock 4 lever	no	2		
		.04 Master key	no	5		
		.05 Replace as existing lockset with handles	no	5		
BJ06 .02.01	211.02	<b>PAINT TO NEW UNPAINTED SURFACES:</b>				
		.01 Interior quality acrylic emulsion paint with smooth sheen appeal				
		.01 Walls	m <sup>2</sup>	115		
		.02 Gypsum/fibre board ceiling	m <sup>2</sup>	45		
		.02 Super high gloss enamel paint to steel surfaces				
		.01 Steel door frames	m <sup>2</sup>	2.25		
		.02 Grille doors and gates (measured both sides flat)	m <sup>2</sup>	1		
		.03 Gutters, rainwater downpipes etc.	m	25		
		.03 Super universal high gloss enamel paint to wooden surfaces:				
		.01 Timber doors	m <sup>2</sup>	10.5		
		.04 Self leveling Epoxy Paint 3mm thick				
		.01 Floors	m <sup>2</sup>	45		
		<b>Carried Forward</b>				

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT		
<b>Brought Forward</b>								
<b>BJ.06 .02.02</b>	<b>211.03</b>	.05 Fibre Cement surfaces						
		.01 Fascias and barge boards (Wall and All)	m <sup>2</sup>	12				
		.06 Aluminium bitumen paint						
		.01 Extractor fan and ducting	m <sup>2</sup>	10				
		<b>PREVIOUS PAINTED SURFACES</b>						
		.01 Plaster surfaces:						
		.01 Interior quality acrylic emulsion paint with smooth shen appeal (Doube velvet quality)						
		Walls	m <sup>2</sup>	439				
		.02 Interior quality super acrylic PVA paint:						
		Gypsum/fibre board ceiling	m <sup>2</sup>	10				
		.02 Metal surfaces:						
		.01 Super universal high gloss enamel to:						
		.01 Steel door and window frames	m <sup>2</sup>	1.25				
		.02 Grille doors and gates (both sides measured flat)	m <sup>2</sup>	2				
		.03 Gutters, rainwater downpipes etc.	m	30				
		.03 Wooden surfaces:						
		.01 Super universal high gloss enamel paint to wooden surfaces:						
		.01 Timber doors	m <sup>2</sup>	21				
		.02 Two coats carbolineum coating:						
		.01 Roof truss members	m <sup>2</sup>	5				
.03 Exposed timber (Creosote)	m <sup>2</sup>	5						
.04 Skirting as per specification	m	30						
.04 Fibre Cement surfaces								
.01 Fasciasd and barge bounds (wall and all)	m <sup>2</sup>	5						
<b>Carried Forward</b>								

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
<b>Brought Forward</b>						
AA03	212.00	.05 Aluminium bitumen paint				
		.01 Extractor fan and ducting	m <sup>2</sup>	10		
		<b>PLUMBING AND DRAINAGE</b>				
AA09.04	212.01	Water Supply				
		.01 Class 0 copper piping with capillary fittings				
		.01 15mm diameter pipes chased into walls including fittings	m	10		
		.02 22mm diameter pipes surface including fittings	m	30		
		.02 Taps, etc.				
		.01 Chromed brass wall mounted fittings				
		.01 15mm 107EC bib tap	no	1		
		.02 15mm 111 star pillar tap	no	2		
		.03 Under wall star stopcock	no	1		
		.04 15mm ballstop valve	no	1		
		.05 15mm copper service pipe 340mm long	no	1		
		.03 Move and re-fix double sink in Laboratory	no	1		
		.04 New double basin in Laboratory (as per Spec)	no	1		
		.05 Supply and install 100l,400kPa hot water geyser complete with PRV, vacuum breakers, drip tray etc and connect to ex. plumbing	no	1		
	212.02	Sanitary fittings including connection to water and waste water piping, hanging and fixing brackets and set in position				
		.01 304 stainless steel basin, etc.				
		.01 Single bowl laboratory sink with surface mounted laboratory type 8500 4AC tap	no	2		
<b>Carried Forward</b>						

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
<b>Brought Forward</b>						
PD.09		<b>ALTERATION WORK</b>				
	212.03	Take out and remove				
		.01 Piping and accessories, including blanking of existing piping				
		.01 15mm water piping	m	3		
	212.04	Cut into and connect to existing supply, etc.				
		.01 Water supply				
		.01 Find existing 20mm supply, secure supply cut through fit T-piece and connect	no	1		
		.02 Form opening through brick walls, including making good after installation				
		.01 Pipe not exceeding 100mm diameter through 220mm wall	no	1		
		.02 Extractor fan including ducting	no	1		
	212.05	<b>Miscellaneous items:</b>				
		.01 Items measured by no:				
		.01 4, 5 kg DCP fire extinguisher mounted on hardwood backboard to wall	no	2		
		.02 Vertical louvre blinds complete with track, runners, hand controls, material louvres, etc and fixed in window (7.2.6 Finishes)	no	9		
		1022 mm x 1245 mm high window opening	no	4		
		1540 mm x 2000 mm high window opening	no	2		
		.03 Laboratory furniture (7.6)				
		.01 General storage cabinet	no	3		
		.02 Chemical waste storage cabinets (7.5.1)	no	2		
	<b>Carried Forward</b>					

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO.140.03	212.06	<b>FITTINGS, SHELVES, WORKTOPS, ETC.</b>				
		.01 First aid kit in a lockable case, fixed to wall and clearly marked	no	2		
		.02 Single compartment lockers with lockable door 300mm wide x 450mm deep x 1800mm high	no	5		
		.03 Work surface as per specifications F.O.				
		.01 1000mm wide worktops	m	20		
		.04 Epoxy powder coated steel office type filling and stationery cabinets				
		.01 900mm wide x 300mm deep x 2200mm high steel shelving	no	5		
		.05 General storage cabinets of 32mm clad work tops with powder coated steel frames and 16mm Formica clad doors, drawers, side back, etc.				
		.01 1m long with 2 doors	no	3		
		.02 1m long with 6 drawers	no	3		
		.06 Remove redundand dark room equipment	Sum	-		-
		.07 Install glass door in chemical waste storage cabinet	no	2		
		.08 Soap dispenser to brick work	no	2		
		.09 Towel rail 800mm long with wall brackets	no	1		
.10 50 litre type swing lid plastic dustbin	no	2				
.11 Signage as per the schedule attached to SAPS specifications	Sum	-		-		
PD09		.12 38mm diameter rubber door stop to concrete	no	3		
		.13 150 x 100mm Porcelain soap holder to brickwork	no	1		
		.14 Steel security gate of 25 x 25 x 2mm tubular frame and two horizontal rail filled in with 10 x 10mm square bar at 150mm centres and with lock block wih 6-lever mortice lock and striker plate	no	4		
<b>Carried Forward</b>						

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT	
<b>Brought Forward</b>							
BD06.02.05	212.07	.01	Items measured by area:				
		.01	Ant poison, aldrin emulsifiable concentrates solution to SABS 618 spread at a rate recommended by the manufacturer (optional):				
		.01	In foundation footings	m <sup>2</sup>	15		
		.02	Surface beds	m <sup>2</sup>	15		
		.02	250 micron green medium density polyethylene dampproof sheeting under floors	m <sup>2</sup>	45		
		.03	375 micron black embossed high density polyethylene dampproof sheeting under walls	m <sup>2</sup>	25		
		.04	200 X 200 mm glazed wall tiles to existing plastered and painted walls	m <sup>2</sup>	10		
		.05	200 X 200 mm glazed wall tiles to existing plastered walls at splash back	m <sup>2</sup>	10		
	.06	Grade 1 quality, chemical resistant floor and wall tiles of size 200mm x 200mm as per specification inclusive of preparing existing concrete base to receive tiles.	m <sup>2</sup>	160			
	.07	Vinyl floor sheeting in patchwork	m <sup>2</sup>	15			
	213.00	<b>ALTERATION WORKS</b>					
	213.01	<b>Walls</b>					
		Alterations and repair to existing structures					
		.01	Break out/hack up/demolish and carefully remove				
		.01	Double steel door and frame at vehicle inspection booth	no	2		
		.02	Steel door frame from wall	no	3		
		.03	115mm brick wall at Laboratory area	m <sup>2</sup>	37		
		.04	230mm brick wall at Vehicle inspecton booth area	m <sup>2</sup>	15		
		.05	Dry wall	m <sup>2</sup>	10		
		.06	Square tubes of existing vehicle inspection booth roof	no	4		
	<b>Carried Forward</b>						

INSTALLATION: NELSPRUIT

## SCHEDULE no 2: BUILDING SERVICES

REPAIR WORK

PAYMENT REFERS TO	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
		.07 Vinyl floor tiles of size 300mm x 300mm	m <sup>2</sup>	15		
		.08 Blinds	no	6		
		Disconnect and remove and hand over to representative on written notice				
		.01 Storage cabinets	no	6		
		.02 Work tops	no	23		
		.03 Existing photographic develop equipment	no	3		
		.04 Forensic laboratory equipment	no	6		
		.05 Chemical storage cabinets with content	no	1		
	<b>213.02 (Cont.)</b>	.02 Fire Fighting Equipment:				
		.01 Service, clean and repair fire hose reel with 30m hose	no	1		
		.02 Service, recharge, clean and repair fire extinguishers				
		.01 4.5Kg DCP fire extinguisher	no	1		
		.02 9Kg dry power fire extinguisher	no	5		
		.03 Service and repair wooden fire fighting cabinet and provide secure locking mechanism and see-through key box.	no	1		
	<b>213.02</b>	<b>Floors</b>				
		Alterations and repairs to existing structures				
		.01 Break up and remove				
		.01 Sections of concrete surface beds (up to 200mm thick)	m <sup>2</sup>	12		
<b>TOTAL SCHEDULE 2 - CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE no. 21/1/2(47)

public works  
& infrastructureDepartment:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICASOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services

INSTALLATION: NELSPRUIT

## SCHEDULE no. 3: ELECTRICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
AB.02	300.00	<b>ELECTRICAL INSTALLATION</b>				
AB.02	301.00	<b>DISTRIBUTION BOARD FITTING</b> Fittings in distribution board, including connections and cradles, etc. Fittings to match equipment in board				
		.01 60A (5kA) 3-pole mccb	no	2		
AB.02	302.00	<b>DISTRIBUTION BOARDS</b>				
		.01 Built in distribution boards with frames, sub-frames, cradles lockable doors, internal wiring, spare position, etc				
		.01 Sheet metalwork	no	1		
		.02 10A 1-pole mccb (2,5kA)	no	1		
		.03 20A 1-pole mccb (2,5kA)	no	4		
		.04 20A 3-pole mccb (2,5kA)	no	2		
		.05 40A 2-pole single phase earth leakage	no	1		
		.06 15A - CB (6KA)	no	1		
		.07 20A - CB (6KA)	no	1		
		.08 Lightning and surge protector. Single phase	no	10		
AB.02	303.00	<b>LOW VOLTAGE CABLE INSTALLATIONS</b>				
		.01 PVC/PVC/SWA/PVC Copper core cables				
		.01 4mm x 4-core cable surface	m	10		
		.02 6mm x 4-core cable surface	m	45		
AB.02		.02 Cable terminations, including lugs, shrouds, etc.				
		.01 4mm x 4-core cable surface	no	1		
		.02 6mm x 4-core cable surface	no	2		
		.03 Terminate bare copper earth conductor				
		.01 4mm 1ph	no	1		
		.02 6mm	no	1		
<b>Carried Forward</b>						



INSTALLATION: NELSPRUIT

## SCHEDULE no. 3: ELECTRICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
AB.02	<b>304.00</b>	<b>LIGHTING INSTALLATIONS</b>				
		.01 Luminaries				
		.01 Vapour proof sealed unit - 1,5m double tub fitting	no	25		
		.02 Vapour proof sealed unit - bulkhead fitting 2 x PL9	no	2		
AB.02		.02 Light switches, etc.				
		.01 16A single lever one way vapour proof switch	no	15		
		.03 Light Tubes				
		.01 Fluorescent lights	no	21		
AB.02	<b>305.00</b>	<b>SMALL POWER INSTALLATIONS</b>				
		.01 Power outlets, etc.				
		.01 16A single vapour proof socket outlets	no	17		
		.02 16A single vapour dedicated socket outlet	no	2		
		.03 40A vapour proof single phase isolators	no	2		
		.04 Connection to equipment with galvanised sprague and relevant wiring not exceeding 1,5m long, e.g. geyser	no	1		
AB.02	<b>306.00</b>	<b>WIRING INSTALLATIONS</b>				
		.01 PVC insulated copper wiring into conduits, trunking, etc.				
		.01 2,5mm	m	650		
		.02 4mm	m	120		
		.03 1.5mm	m	10		
		.02 Bare copper earth wiring into conduits, trunking, etc.				
		.01 2,5mm	m	120		
		.02 4mm	m	75		
		.03 1.5mm	m	10		
AB.02		.03 nors cable (Twin+E)				
		.01 2,5mm	m	10		
<b>Carried Forward</b>						

INSTALLATION: NELSPRUIT

## SCHEDULE no. 3: ELECTRICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
<b>AB.02</b>	<b>307.00</b>	<b>WIRE WAYS, CONDUITS AND ACCESSORIES</b>					
		.01 PVC conduit including bends, accessories, etc.					
		.01 20mm	m	75			
		.02 Galvanised steel conduits, including bends, accessories, etc.					
		.01 20mm	m	150			
		.03 Pratley boxes					
		.01 127mm diameter - 3way outside	no	1			
		.04 Draw and outlets boxes, etc.					
		.01 50 x 100mm Galvanises steel	no	2			
		.02 100 x 100mm Galvanises steel	no	8			
		.03 50 x 100mm Galvanises steel with blank cover	no	1			
		.04 60mm round outlet box with cover	no	7			
		.05 Provide Certificate of Compliance for all Distribution Boards	no	1			
		<b>308.00</b>	<b>DISCONNECT AND REMOVE</b>				
		.01 Light fitting	no	4			
	.02 Wiring in conduits	m	5				
	.03 Outlet boxes	no	2				
	<b>309.00</b>	<b>SMOKE ALARM CONTROL PANEL</b>					
	.01 Move smoke alarm to outside of Labortory into passage and re-connect	no	1				
	.02 Smoke Alarm	no	2				
	.03 Smoke Detector	no	8				
	<b>310.00</b>	Supply and install SABS approved unit: 3KVA UPS minimum 1-2 hours backup as per Engineers approval.	no	1			
	<b>TOTAL SCHEDULE 3: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE NO. 21/1/2(47)



public works  
& infrastructure  
Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:**  
Refurbishment and Repair of Building Services

INSTALLATION: NELSPRUIT

## SCHEDULE no. 4: MECHANICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
FO 14.03	<b>400.00</b>	<b>MECHANICAL INSTALLATION</b>				
		NEW WORK				
	<b>401.00</b>	<b>AIR CONDITIONING INSTALLATION</b>				
	401.01	.01 Split unit type to maintain temperatures of 16°C to 24°C wall mounted, complete with heat pumps, cooling systems, pipework, controls, unistrut brackets etc:				
		.01 12000 BTU unit	no	8		
FO 14.03		.02 18000 BTU unit	no	2		
	401.02	SERVICE / REPAIR / Removal WORK				
		.01 Service existing split re-circulation type air-con unit complete	no	1		
		.02 Remove existing aircon units and hand over to relative SAPS authority	no	8		
	<b>402.00</b>	<b>FRESH AIR VENTILATION</b>				
FO 14.03		.01 Fresh air fan unit installed to replace 70% of extracted air and shall be manufactured of 1,2mm epoxy powder coated steel housing, fitted with primary filters with 305 efficient (ashrae 52-76) @ 5 micron and installed in position as per specification FO 03.05	no	1		
		.02 Fresh air fan unit installed to replace 120% of extracted air and shall be manufactured of 1,2mm epoxy powder coated steel housing, fitted with primary filters with 305 efficient (ashrae 52-76) @ 5 micron and installed in position as per specification FO 03.05	no	1		
		.03 Primary filters for the fresh air supply shall be of trox SA type, size to airflow requirements and shall be washable, have a initial pressure of 80Pa and have a final pressure of 250Pa	no	2		
	402.01	SERVICE / REPAIR WORK				
		.01 Service existing Fresh Air Supply system complete and replace filters	no	1		
<b>Carried Forward</b>						

## SCHEDULE no. 4: MECHANICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO 14.03	<b>403.00</b>	<b>EXTRACTION SYSTEM</b>				
		.01 Central extraction fan with spark proof, acid and water resistant external direct drive induction motor capable of extracting between 12-15 air-charges per hour and shall be capable of 24hour operation with on/off switching within room and installed with anti vibration mountings to brick walls as per Specification FO 03.03.04				
		.01 Vehicle Inspection Booth	no	1		
		.02 Digital Laboratory	no	1		
		.03 Remove and replace extraction fan in Evidence Room	no	1		
		.02 Dedicated extraction fan for Cyanoacrylate Chemical Fuming Chamber, Powder down-flow bench, Chemical Fume Cabinet & etching extraction system delivering 1,5m/s face velocity 220V 0,3kW motor 1400rpm, 1000m <sup>3</sup> /hr air at 370Pa as per specification FO 03.03	no	3		
	<b>403.01</b>	<b>SERVICE / REPAIR WORK</b>				
		.01 Service existing extraction system complete and replace filters	no	2		
FO 14.03	<b>404.00</b>	<b>GRILLS, LOUVERS, ETC.</b>				
		.01 Natural anodised aluminium grills				
	<b>404.01</b>	.01 700 x 700mm to 200 diameter adjustable outlet louvre grill controlled by fresh air ventilation fan as FO 03.05.02	no	1		
		.02 700 x 700mm air intake diffusers for delivering cold air mounted in ceiling as FO 03.05.02	no	1		
FO 14.03	<b>405.00</b>	<b>DUCTING AND ACCESSORIES</b>				
		.01 uPVC ducting, including fixing brackets, hangers, etc. surface mounted to wall and ceiling (min of Class 4 uPVC) as per FO 03.03.02				
		.01 1000mm x 200mm diameter	m	60		
		.02 uPVC ducting accessories, propose made up and including all connections to ducting, etc. (min. of Class 4 uPVC) as per FO 03.03.02				
		.01 200mm 90° bend	no	35		
		.02 200mm connection collar to equipment	no	10		
		.03 200mm T-piece	no	3		
<b>Carried Forward</b>						

## SCHEDULE no. 4: MECHANICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
FO 14.03	406.00	.04 200mm Weather cowl	no	7			
		.05 Sound Attenuator	no	1			
		.03 Dampers, etc.					
		.01 200mm (min. Class 4 uPVC) as per FO 03.03.02	no	8			
		.04 Fully flexible connection for uPVC ducting					
		.01 200mm diameter	no	8			
		.02 Interior quality acrylic emulsion paint with smooth sheen finish					
		.01 uPVC ducting	m <sup>2</sup>	20			
		.03 Aluminium bitumen based paint					
		.01 uPVC ducting	m <sup>2</sup>	30			
FO 14.03	406.00 Cont.	<b>SPECIALISED EQUIPMENT</b>					
		<b>note: All equipment supplied must confirm to technical specification (Section FO.03). Submit all relevant information before ordering of all fittings</b>					
		<b>Supply and install as per specifications:</b>					
		.01 White epoxy coated refrigerator with 59L capacity size 600 x 600 x 1000mm high overall as FO 03.04.04	no	1			
		.02 "RETRO-FIT" of Cyanoacrylate fuming chamber with dedicated uPVC extraction system, unit shall be bench mounted size 1500mm wide x 730mm deep x 1580mm high of grade 304 stainless steel (min. 1.6mm) with 6mm toughened safety glass sides and viewing panes with all services and fittings specified as specification FO 03.07.01 (a)	no	1			
FO 14.03	406.00 Cont.	.03 Powder down-flow extraction station, unit shall be free standing, size 1000mm wide x 750mm deep x 900mm high of grade 304 stainless steel (min. 1.6mm) with sink top with integral sink and extraction plenum with services and fittings specified as specification FO 03.07.01 (d)	no	1			
		.04 Bio-Forensic Evidence Dryer, unity shall be free standing size 1500mm wide x 750mm deep x 2500mm high of grade 304 stainless steel (min. 1.6mm) with 6mm toughened safety glass sides and viewing panes with all services and fittings as specified as specification FO 03.07.01 (b)	no	1			
		.05 Biohazard safety cabinet, unit shall be bench mounted with own HEPA filter system, size 1370mm x 750mm deep x 1600mm high of grade 304 stainless steel with 6mm toughened glass hinged sash, all with fittings and services as specified as FO	no	1			
<b>Carried Forward</b>							

## SCHEDULE no. 4: MECHANICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
	.06	Single column shower emergency shower and eye wash combination, 900 x 900mm wide x 2300mm high overall with stainless steel eye wash attachment and fittings, connected to water supply as per specification FO 03.07.01 (f)	no	1		
	.07	Chemical fume extraction cabinet shall be bech-mounted 1200mm (high) by 1200mm wide x 870mm depth 1.6mm grade 304 stainless steel scratch finish to interior and 1.2mm Cold rolled mild steel, epoxy coated (coloured white) to exterior all as per specification FO 03.07.01 (c)	no	1		
	.08	Evidence Drying Oven of size 550mm high x 690mm wide x 610mm deep and capacity of 90 liters as per specification FO 03.07.01 (h)	no	1		
	.09	Blood Storage Fridge, free standing with 59 litres capacity and colour white, as per specification FO 03.07.01 (i)	no	1		
	.10	Paper drier size 2000mm x 400mm wide x 250mm deep of 304 Stainless Steel frame with 0.8mm thick code 316 stainless steel cables	no	1		
	.11	Photo-view Fluorescent Light Box of size 1200 x 450 x 300mm	no	1		
	.12	Electronic scale with range from 1g to 300g as FO 03.04.04	no	1		
	.13	Magnetic stirrer as per specifications	no	1		
	.14	Chemical waste storage cabinet 900mm high x 500mm wide x 750 deep with 2 x 25L portable containers, including connection to fitting, audible alarm and visual "full" indications all as specified as per specification FO 03.07.01 (g)	no	1		
	.15	Acid storage cabinet 900mm x 1000 x 750mm as per specification FO 03.07.01 (h)	no	1		
	.16	Solvent storage cabinet 900 x 1000 x 750mm as per specification FO 03.07.01 (i)	no	1		
	.17	Biometric Access control Scanner	no	5		
	.18	Acess Control Phone Camera	no	2		
	.19	Vehicle Jack	no	1		
	20.	Pyrogen Fire Extinguisher	no	3		
<b>Carried Forward</b>						

## SCHEDULE no. 4: MECHANICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
	<b>407.00</b>	ALTERATION WORK.  .01 Disconnect and remove all rectangular ducting of various sizes to new forensic area to ceiling  .02 Disconnect and remove all circular ducting of various sizes to duct area to ceiling  .03 Remove inlet vents on ducting  .04 Disassemble Etching station with worktops chemically treated and with two adjustable white lights, one electrical power point, all as specified and to standard drawing with extraction system connected to central extraction as per specification FO 03.07.01 (e)  .05 Remove Etching Station flexible extraction arm (3m) complete with internal damper as per specification FO 03.07.01 (e)	m          m          no          no          no	40          40          5          1          1		
<b>TOTAL SCHEDULE 4: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE no. 21/1/2(47)

public works  
& infrastructureDepartment:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICASOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SABS 1200 C PSC 8.2.1	204.01	<b><u>SITE CLEARANCE</u></b>				
	204.01	<b>Clear and grub:</b>				
		.01 Areas	m <sup>2</sup>	150		
SABS 1200 D PSD 8.3.3	204.02	<b><u>EARTHWORKS</u></b>				
		<b>Restricted excavation:</b>				
		.01 Excavate for footings in all materials, and use for backfill (G5 Material grade) or embankment, or dispose				
		.01 Depth up to 2,0 m	m <sup>3</sup>	19		
		.02 Extra over item 140.01.01 above for:				
		.01 Intermediate excavation	m <sup>3</sup>	2		
		.02 Hard rock excavation	m <sup>3</sup>	1		
		.03 Extra over item 140.01.01 for hand excavation	m <sup>3</sup>	2		
SABS 1200 DB		<b><u>EARTHWORKS (PIPE TRENCHES)</u></b>				
		<b><u>TRENCHES FOR FLOORDRAIN SEWER PIPES</u></b>				
PSDB 8.3.2	204.03	<b>Excavate in all materials for trenches, backfill (G5 Material grade), compact and dispose of surplus material:</b>				
		.01 Pipes up to 125 mm dia for depths:				
		.01 Up to 1,0 m	m	30		
		.02 Over 1,0 m up to 2,0 m	m	10		
PSDB 8.3.2	204.04	<b>Extra over item 142.01 above for:</b>				
		.01 Intermediate excavation	m <sup>3</sup>	2		
		.02 Hard rock excavation	m <sup>3</sup>	1		
<b>Carried Forward</b>						



INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
SABS 1200 DM PSDM 8.3.3	204.05	.03 Hand excavation where ordered by the Engineer:				
		.01 Soft material	m <sup>3</sup>	1		
		.02 Intermediate material	m <sup>3</sup>	1		
		.03 Hard material	m <sup>3</sup>	1		
		.04 Backfill stabilized with 5% cement where directed by the Engineer	m <sup>3</sup>	1		
		.05 Soilcrete backfill where directed by the (G5 Material grade) Engineer	m <sup>3</sup>	1		
		<b><u>EARTHWORKS (ROADS, SUBGRADE)</u></b>				
PSDM 8.3.3	204.05	<b>Treatment of roadbed:</b>				
		.01 Roadbed preparation and compaction of material to:				
		.01 Minimum of 90% of modified AASHTO maximum density (in trench excavations)	m <sup>3</sup>	4		
		.02 Minimum of 93% of modified AASHTO maximum density (compaction below surface beds - optional)	m <sup>3</sup>	5		
PSDM 8.3.5	204.06	<b>Selected layer using material from designated borrow pits or excavations (Natural gravel layerworks in under surface beds)</b>				
		.01 Compacted to 93% modified AASHTO density G5 Material grade	m <sup>3</sup>	3		
PSDM 8.3.18	204.07	<b>Final finishing and cleaning up of the Site of the Works</b>	Sum	-	-	
	205.00	<b>CIVIL, STRUCTURAL &amp; WET SERVICES</b>				
		NEW WORK				
SABS 1200HB BA.06	205.00	<b>ROOF CLADDING AND SHEETING</b>				
	205.01	Supply and install cladding and sheeting				
		.01 To match existing roof covering				
		.01 Roof covering fixed to timber or steel purlins	m <sup>2</sup>	115		
<b>Carried Forward</b>						

## INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BB.06	205.02	Supply and install ancillaries:				
	.01	Fibre cement surfaces:				
	.01	Fascia and barge boards	m	75		
BA.06		ALTERATION WORK				
BA.01	205.03	Rainwater Goods				
		Supply and install rainwater goods:				
	.01	0.8 mm thick galvanised sheeting with silicone polyester finish to one side				
	.01	100 mm x 75mm down pipes	m	38		
	.02	100 mm x 75 mm shoe fittings	no	16		
	.03	Gutters and downpipes - Match the existing. Supply and install	m	65		
BB	<b>206.00</b>	<b>CARPENTRY</b>				
BB.06		NEW WORK				
BB.06.02.01	206.01	Structural timber:				
	.01	Roof beams				
	.01	50 x 150mm	m	70		
	.02	Purlins				
	.01	38 x 38mm	m	168		
BB.06.02.02	206.02	Ceilings:				
	.01	Gypsum board with metal H-profile jointing strips:				
	.01	38 x 38mm branding at 450mm centres in both directions	m	165		
	.02	6.4mm ceiling	m <sup>2</sup>	127		
	.03	450 x 450mm ceiling trapdoor	no	1		
	.03	Gypsum cornices:				
	.01	76mm coved cornices	m	259.5		
<b>Carried Forward</b>						

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BA.02		ALTERATION WORK				
	206.03	Alterations and repairs to existing structures:				
	206.04	.03 Re-align and re-fix				
		.01 Fibre or gypsum board ceilings and cornices	m <sup>2</sup>	40		
		.02 Fascias and or barge boards	m	50		
BD	<b>207.00</b>	<b>WALLS</b>				
BD.06.02		NEW WORK				
BD06.02.04	207.01	Brickwork in cement mortar				
		.01 115mm Walls	m <sup>2</sup>	35		
		.02 230 mm Walls	m <sup>2</sup>	150		
		<b><u>BD: WALLS</u></b>				
		<b><u>NEW WORK</u></b>				
		<b>Doors and windows:</b>				
		.01 Supply and Install				
		.02 Galvanised roller shutter door size ± 3 200 mm x 3 050 mm high including replacing slats as specified in the Technical Specifications	no	1		
		<b>Ironmongery, steelwork, glass, wall finishings, etc:</b>				
		.01 Supply and Install				
		.01 Garage roller shutter door lock	no	1		
BD.06.02.01	207.02	Doors and windows:				
		.01 Steel door frames				
		.01 1.6mm thick pressed steel double door frame for door size 1210 x 2032mm high in prepared opening (opening elsewhere) (including repairing all finishes all round)	no	2		
		.02 1.6mm thick pressed steel single door frame for door size 813 x 2032mm high in prepared opening (opening elsewhere) (including repairing all finishes all round)	no	3		
<b>Carried Forward</b>						

## INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BD.06.02.03	207.03	Joinery:				
		.01 Items measured by no:				
		.01 Solid meranti double door with rebated meeting stiles, 40mm thick in two leaves size, 813 x 2032mm and other leave 397 x 2032mm high	no	3		
		.02 Solid meranti door, 40mm thick, size 813 x 2032 mm including all necessary seals and gaskets	no	2		
		.03 Solid meranti door, 40mm thick, size 813 x 2032mm including all necessary seals and gaskets with lock 6 lever	no	1		
		.04 2 hour fire rated door as per specifications, size 813 x 2032mm, including all necessary seals and gaskets with lock 6 lever	no	2		
		.05 Hollow core door 813 x 2032mm with lock 4 lever	no	1		
		.06 Vertical louvre blinds complete with track, runners, hand controls, material louvres, etc and fixed in window (7.2.6 Finishes)	no	9		
		.07 1022 mm x 1245 mm high window opening	no	4		
		0.08 1540 mm x 2000 mm high window opening	no	1		
BD.06.02.04	207.04	Ironmongery, steelwork, glass, etc.				
		.01 Items measured by no:				
		.01 6-lever mortice lock with rebate set for double door suitable for master key system with approved handle set with back plate	no	3		
		.02 Replace as existing lockset with handles	no	8		
		.03 Master key	no	6		
		.04 150mm brass barrel bolts	no	2		
		.05 38mm diameter rubber door stop to concrete	no	4		
		.06 19mm diameter chromium plated towel rail 500mm long with wall brackets	no	4		
		.07 150 x 150mm Porcelain soap holder to brickwork	no	2		
		.08 Steiner soap dispenser to brickwork	no	5		
<b>Carried Forward</b>						

## INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
		.09 Steel security gate of 25 x 25 x 2mm tubular frame and two horizontal rail filled in with 10 x 10mm square bar at 150mm centres and with lock block with 6-lever mortice lock and striker plate	no	2		
		.10 Toilet paper dispenser	no	3		
		.02 Standard brass peg and stay to steel windows	no	10		
		.03 Standard brass sliding stay to steel windows	no	10		
		.04 Steel window handle	no	10		
		.05 Cupboard pull handles with push button lock and two keys	no	10		
		.06 Cupboard pull handles	no	5		
		.07 Items measured by area:				
		.01 200 x 200mm glazed wall tiles to existing plastered and painted walls	m <sup>2</sup>	3		
		.02 200 x 200mm glazed wall tiles to existing plastered and painted walls to walls at splash backs	m <sup>2</sup>	7		
		.03 Grade 1 quality, chemical resistant floor tiles of size 200mm x 200mm as per specification inclusive of preparing existing concrete base to receive tiles	m <sup>2</sup>	10		
		.04 Replace wall tiles as existing per specification	m <sup>2</sup>	10		
		.05 Replace floor tiles as existing per specification	m <sup>2</sup>	10		
		.06 Vinyl floor sheeting in patchwork	m <sup>2</sup>	13		
		.07 4mm clear float glass to steel sashes	m <sup>2</sup>	13		
		.08 6mm clear float glass to steel sashes	m <sup>2</sup>	2		
		.09 Burglar proofing to existing steel windows of 10 x 10mm square bars at 150mm centres welded to steel frames	m <sup>2</sup>	4		
BD.06.02.05		ALTERATION WORK				
BD.06.02.05	207.05	Alterations and repair to existing structures:				
		.01 Repair and re-fix:				
		.01 Brass window handles as existing	no	10		
		.02 Carefully remove				
		.01 Timber single door from steel frame	no	5		
<b>Carried Forward</b>						

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BE	208.00	.03 Repair and seal				
		.01 Cracks in plastered walls	m	31		
		.02 Putty to window frames	m	45		
BE.06.02		<b>FLOORS</b>				
		NEW WORK				
BE.06.02.01	208.01	Floor screeds				
		.01 30mm thick plaster screed to falls	m <sup>2</sup>	115		
BE.06.02.03	208.02	Floor tiling and finishes etc:				
		.01 Items measured by linear meter:				
		.01 Skirting of 240 x 115 x 11.5mm glazed ceramic floor tiles with approved epoxy grout in patchwork	m	10		
		.02 50mm high skirting with quarterround	m	128		
8.3.2	208.03	High-tensile welded mesh in the following:				
		.01 Ref no 245 in ramps (Provisional)	m <sup>2</sup>	18		
		.02 Ref no 245 in concrete floors (Provisional)	m <sup>2</sup>	115		
		.03 Concrete				
		.01 Concrete Class 25/19	m <sup>3</sup>	15		
		.02 300 x 300 Precast concrete blocks (100 mm)	no	150		
8.4.4	208.04	<b>Unformed surface finishes:</b>				
		.01 Wood-floated finishes to:				
		.01 Top of ramps and floors	m <sup>2</sup>	125		
PD.02	208.05	<b>Plaster work:</b>				
		.01 15 mm thick, steel-float finish (internally)	m <sup>2</sup>	255		
<b>Carried Forward</b>						

## INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BE.06.02.04		ALTERATION WORK				
BE.06.02.04	208.06	Alterations and repairs to existing structures:				
		.01 Break up and remove:				
		.01 Sections of concrete surface beds (up to 200mm thick)	m <sup>2</sup>	10		
		.02 Vinyl floor tiles of size 300mm x 300mm	m <sup>2</sup>	358		
BJ	<b>209.00</b>	<b>PAINTWORK</b>				
BJ.06.02		NEW UNPAINTED SURFACES				
BJ.06.02.01	209.01	Paint to new unpainted surfaces:				
		.01 Interior quality acrylic emulsion paint with smooth sheen appeal				
		.01 Walls	m <sup>2</sup>	255		
		.02 Super high gloss enamel paint to steel surfaces:				
		.01 Grille doors and gates (measured both sides flat)	m <sup>2</sup>	10		
		.02 Gypsum/ fibre board ceilings	m <sup>2</sup>	115		
		.03 Super universal high gloss enamel paint to wooden surfaces:				
		.01 Timber doors	m <sup>2</sup>	25		
		.04 Self leveling Epoxy Paint				
		.01 Floors	m <sup>2</sup>	100		
		.05 Aluminium bitumen paint				
		.01 Extractor fan and ducting	m <sup>2</sup>	10		
BJ.06.02.03	209.02	PREVIOUS PAINTED SURFACES IN BAD CONDITION:				
		.01 Plaster surfaces:				
		.01 Interior quality acrylic emulsion paint with smooth sheen appeal				
		.01 Walls	m <sup>2</sup>	1350		
		.02 Gypsum/ fibre board, concrete ceiling	m <sup>2</sup>	442		
<b>Carried Forward</b>						

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
AA.02	210.00	.02 Metal surfaces:					
		.01 Super universal high glass enamel to:					
		.01 Steel door frames	m <sup>2</sup>	10.5			
		.02 Metal surfaces:					
		.01 Grille doors and gates (both sides measured flat)	m <sup>2</sup>	15			
		.02 Gutters, rainwater downpipes etc.	m	400			
		.03 Prepare existing galvanised or previously painted roof sheeting and paint with a polyurethane coating system as per technical specification	m <sup>2</sup>	500			
		.03 Wooden surfaces:					
		.01 Super universal high gloss enamel paint to wooden surfaces:					
		.01 Timber doors	m <sup>2</sup>	122			
		.02 Skirting	m	424			
		.02 Two coats carbolineum coating:					
		.01 Roof truss members	m <sup>2</sup>	100			
		.04 Aluminium bitumen paint					
		.01 Extractor fan and ducting	m <sup>2</sup>	10			
		<b>210.00 PLUMBING AND DRAINAGE</b>					
		210.01	Water Supply				
		.01 Class O copper piping with capillary fittings					
		.01 15mm diameter pipes chased into walls including fittings	m	15			
		.02 22mm diameter pipes surface including fittings	m	10			
		.02 Taps, etc.					
		.01 Chromed brass wall mounted fittings					
		.01 15mm 107EC bib tap	no	2			
.02 15mm 111 star pillar tap	no	2					
<b>Carried Forward</b>							



INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
AA.02	210.02	.03 Under wall star stopcock	no	2		
		.04 15mm 166/041 star sink mixer	no	1		
		.05 15mm ballstop valve	no	1		
		.06 15mm copper service pipe 340mm long	no	3		
		.07 15mm hot/cold laboratory mixer	no	1		
		.03 Geysers: 150l SABS Approved geyser	no	3		
		.04 Move and re-fix double sink in Laboratory	no	1		
		.05 New double sink in Laboratory	no	1		
		Waste water				
		.01 Valcathene type waste piping				
		.01 50mm diameter surface	m	45		
		.02 50mm diameter chase in wall, floors, etc.	m	15		
		.02 Extra over for welded valcathene fittings				
		.01 Elbow	no	3		
		.02 Elbow with cleaning eye	no	2		
		.03 Junction with cleaning eye	no	2		
		.04 S-trap	no	2		
		.03 Waste water grid, 500 x 500mm. Heavy duty including strainer	no	1		
		.04 Waste water pipe, 100mm. Supply and install	m	52		
		.05 Toilet complete with all fittings connected to water supply and sewer	no	1		
		.06 Shower complete with all fittings, connected to water supply and sewer	no	1		
.07 Stainless steel hand dryer unit with blower output of 450 watt @ 20 000 rpm similar or equal	no	1				
<b>Carried Forward</b>						

## INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
AA.02	210.03	Sanitary fittings including connection to water and waste water piping, hanging and fixing brackets and set in position				
		.01 304 stainless steel basin, etc.				
		.01 560 x 450mm code 0112 porcelain wash hand basin with two semi concealed brackets	no	1		
		.02 Ceramic fireclay laboratory sink 600 x 400 x 200mm 2361 code set in worktop	no	1		
		.03 Stainless Steel WC with Cistern and Fulshing Mechanisms	no	1		
		.04 Concealed Flushmaster for WC	no	1		
		.05 Single bowl laboratory sink with surface mounted labortory type 8500 4AC tap	no	1		
		.02 Traps, etc including connection to piping				
		.01 50mm 316 chromium plated brass waste outlet complete with plug and chain	no	1		
		.02 50mm 360/50 chrome plated bottle trap	no	2		
AA.02		ALTERATION WORK				
	210.04	Take out and remove				
		.01 Piping and accessories, including blanking of existing piping				
		.01 15mm water piping	m	10		
		.02 40-50mm waste water piping	m	18		
		.02 Sanitary fittings including blanking off existing water and waste water piping				
		.01 Hand wash basin	no	1		
		.02 Stainless steel sink	no	2		
2.00	210.05	Cut into and connect to existing supply, etc.				
		.01 Water supply				
		.01 Find existing 20mm supply, secure supply cut through fit T-piece and connect 15mm copper supply	no	2		
<b>Carried Forward</b>						

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT		
<b>Brought Forward</b>								
FO.14.03	211.00	.02 Waste water disposal						
		.01 Find existing 50mm waste water system, secure cut through fit i.e. junction and connect 50mm valcathene piping	no	5				
		.03 Form opening through brick walls, including making good after installation						
		.01 Pipe not exceeding 100mm diameter through 220mm wall	no	2				
		<b>FITTINGS, SHELVES, WORKTOPS, ETC.</b>						
		.01 First aid kit in a lockable case, fixed to wall and clearly marked	no	2				
		.02 4.5Kg dry power fire extinguisher mounted on a hardwood backboard to brick wall	no	4				
		.03 9Kg fire extinguisher for chemical mounted on hardwood backboard to brick wall	no	3				
		.04 Type 11 hazard signs size 190 x 190mm (all signage to comply)	Sum	-		-		
		.05 Single compartment lockers with lockable door 300mm wide x 450mm deep x 1800mm high	no	7				
FO.14.03	211.00 (Cont.)	.06 32mm thick particle board worktops, clad with both edges rounded, including epoxy powder coated 30 x 30 x 20mm tubular framing, with adjustable feet						
		.01 1000mm wide worktops	m	38				
		.07 Epoxy powder coated steel office type filling and stationery cabinets						
		.01 900mm wide x 300mm deep x 2200mm high Steel shelving	no	6				
		.02 900 x 660 x 500mm 4 drawer filing cabinet	no	3				
		.03 900 x 660 x 100mm 6 drawer filing cabinet	no	3				
<b>Carried Forward</b>								

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no 5: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO.14.03	211.00 (Cont)	.08 Laboratory furniture (7.6)  General storage cabinets of 32mm clad work tops with powder coated steel frames and 16mm clad doors, drawers, side back, etc.				
		.01 1m long with 2 doors	no	1		
		.02 1m long with 6 drawers	no	2		
		.03 cabinets (7.5.1)	no	2		
		.04 700mm high laboratory chairs as per specification	no	4		
	211.00 (Cont.)	.09 Alteration work  Disconnect and remove and hand over to representative on written notice				
		.01 Storage cabinets	no	6		
		.02 Work tops	no	23		
		.03 Existing photographic develop equipment	no	3		
		.04 Forensic laboratory equipment	no	6		
		.05 Chemical storage cabinets with content	no	1		
		.10 Fire Fighting Equipment:				
		.01 Service, clean and repair fire hose reel with 30m hose	no	1		
		.02 Service, recharge, clean and repair fire extinguishers				
		.01 4.5Kg DCP fire extinguisher	no	6		
		.02 9Kg dry power fire extinguisher	no	1		
		.03 Service and repair wooden fire fighting cabinet and provide secure locking mechanism and see-through key box	no	2		
		.11 Move chemical Waste storage cabinet from Dark Room to Inspection Booth and install.	no	1		
		.12 Remove redundand dark room equipment	Sum	-	-	
	.13 Install new glass doors to chemical waste storage cabinett	no	2			
.14 Remove Blinds	no	6				
<b>TOTAL SCHEDULE 5: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE NO. 21/1/2(47)

public works  
& infrastructureDepartment:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICASOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no. 6: ELECTRICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
AB.02	300.00	<b>ELECTRICAL INSTALLATION</b>				
AB.02	301.00	<b>DISTRIBUTION BOARD FITTING</b> Fittings in distribution board, including connections and cradles, etc. Fittings to match equipment in board				
		.01 60A (5kA) 3-pole mccb	no	4		
AB.02	302.00	<b>DISTRIBUTION BOARDS</b>				
		.01 Built in distribution boards with frames, sub-frames, cradles lockable doors, internal wiring, spare position, etc				
		0.1 Sheet metalwork	no	1		
		.02 10A 1-pole mccb (2,5kA)	no	1		
		.03 20A 1-pole mccb (2,5kA)	no	4		
		.04 20A 3-pole mccb (2,5kA)	no	2		
		.05 40A 2-pole single phase earth leakage	no	1		
		.06 15A - CB (6KA)	no	1		
		.07 20A - CB (6KA)	no	1		
		.08 Lightning and surge protector. Single phase	no	10		
AB.02	303.00	<b>LOW VOLTAGE CABLE INSTALLATIONS</b>				
		.01 PVC/PVC/SWA/PVC Copper core cables				
		.01 4mm x 4-core cable surface	m	10		
		.02 6mm x 4-core cable surface	m	45		
AB.02		.02 Cable terminations, including lugs, shrouds, etc.				
		.01 4mm x 4-core cable surface	no	1		
		.02 6mm x 4-core cable surface	no	2		
		.03 Terminate bare copper earth conductor				
		.01 4mm 1ph	no	1		
		.02 6mm	no	1		
<b>Carried Forward</b>						

## INSTALLATION: LEBOWAKGOMO

## SCHEDULE no. 6: ELECTRICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
AB.02	<b>304.00</b>	<b>LIGHTING INSTALLATIONS</b>				
		.01 Luminaries				
		.01 Vapour proof sealed unit - 1,5m double tub fitting	no	67		
		.02 Vapour proof sealed unit - bulkhead fitting 2 x PL9	no	2		
AB.02		.02 Light switches, etc.				
		.01 16A single lever one way vapour proof switch	no	21		
		.03 Light Bulbs				
		.01 Fluorescent lights	no	62		
AB.02	<b>305.00</b>	<b>SMALL POWER INSTALLATIONS</b>				
		.01 Power outlets, etc.				
		.01 16A single vapour proof socket outlets	no	26		
		.02 16A single vapour dedicated socket outlet	no	3		
		.03 40A vapour proof single phase isolators	no	2		
		.04 Connection to equipment with galvanised sprague and relevant wiring not exceeding 1,5m long, e.g. geyser	no	1		
AB.02	<b>306.00</b>	<b>WIRING INSTALLATIONS</b>				
		.01 PVC insulated copper wiring into conduits, trunking, etc.				
		.01 2,5mm	m	900		
		.02 4mm	m	200		
		.03 1.5mm	m	15		
		.02 Bare copper earth wiring into conduits, trunking, etc.				
		.01 2,5mm	m	200		
		.02 4mm	m	100		
		.03 1.5mm	m	25		
AB.02		.03 nors cable (Twin+E)				
		.01 2,5mm	m	15		
<b>Carried Forward</b>						

INSTALLATION: LEBOWAKGOMO

SCHEDULE no. 6: ELECTRICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
<b>AB.02</b>	<b>307.00</b>	<b>WIRE WAYS, CONDUITS AND ACCESSORIES</b>					
		.01 PVC conduit including bends, accessories, etc.					
		.01 20mm	m	90			
		.02 Galvanised steel conduits, including bends, accessories, etc.					
		.01 20mm	m	341			
		.03 Pratlley boxes					
		.01 127mm diameter - 3way outside	no	1			
		.04 Draw and outlets boxes, etc.					
		.01 50 x 100mm Galvanises steel	no	2			
		.02 100 x 100mm Galvanises steel	no	16			
		.03 50 x 100mm Galvanises steel with blank cover	no	5			
		.04 60mm round outlet box with cover	no	7			
		.05 Provide Certificate of Compliance for all Distribution Boards	no	1			
		<b>308.00</b>	<b>DISCONNECT AND REMOVE</b>				
		.01 Light fitting	no	6			
		.02 Wiring in conduits	m	196			
		.03 Outlet boxes	no	4			
		<b>309.00</b>	<b>SMOKE ALARM CONTROL PANEL</b>				
		.01 Move smoke alarm to outside of Labortory into passage and re-connect	no	1			
		.02 Smoke Alarm	no	2			
		.03 Smoke Detector	no	8			
		<b>310.00</b>	Supply and install SABS approved unit: 3KVA UPS minimum 1-2 hours backup as per Engineers approval..	no	1		
		<b>TOTAL SCHEDULE 6: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>					

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE NO. 21/1/2(47)



public works  
& infrastructure  
Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:**  
Refurbishment and Repair of Building Services

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no. 7: MECHANICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
FO 14.03	<b>400.00</b>	<b>MECHANICAL INSTALLATION</b>				
		NEW WORK				
	<b>401.00</b>	<b>AIR CONDITIONING INSTALLATION</b>				
	401.01	.01 Split unit type to maintain temperatures of 16°C to 24°C Wall mounted, complete with heat pumps, cooling systems, pipework, controls, unistrut brackets etc:				
		.01 12000 BTU unit	no	19		
		.02 18000 BTU unit	no	3		
FO 14.03	401.02	SERVICE / REPAIR WORK				
		.01 Service existing split re-circulation type air-con unit complete	no	2		
		.02 Remove existing aircon units and hand over to relative SAPS authority	no	19		
	<b>402.00</b>	<b>FRESH AIR VENTILATION</b>				
		.01 Fresh air fan unit installed to replace 70% of extracted air and shall be manufactured of 1,2mm epoxy powder coated steel housing, fitted with primary filters with 305 efficient (ashrae 52-76) @ 5 micron and installed in position as per specification FO 03.05	no	1		
		.02 Fresh air fan unit installed to replace 120% of extracted air and shall be manufactured of 1,2mm epoxy powder coated steel housing, fitted with primary filters with 305 efficient (ashrae 52-76) @ 5 micron and installed in position as per specification FO 03.05	no	1		
		.03 Primary filters for the fresh air supply shall be of trox SA type, size to airflow requirements and shall be washable, have a initial pressure of 80Pa and have a final pressure of 250Pa	no	1		
	402.01	SERVICE / REPAIR WORK				
		.01 Service existing Fresh Air Supply system filters	no	1		
<b>Carried Forward</b>						



INSTALLATION: LEBOWAKGOMO

## SCHEDULE no. 7: MECHANICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO 14.03	<b>403.00</b>	<b>EXTRACTION SYSTEM</b>				
		.01 Central extraction fan with spark proof, acid and water resistant external direct drive induction motor capable of extracting between 12-15 air-charges per hour and shall be capable of 24hour operation with on/off switching within room and installed with anti vibration mountings to brick walls for Vehicle Inspection Booth as per Specification FO 03.03.04				
		.01 Vehicle Inspection Booth	no	1		
		.02 Digital Laboratory	no	1		
		.02 Dedicated extraction fan for Cyanoacrylate Chemical Fuming Chamber, Powder down-flow bench, Chemical Fume Cabinet & etching extraction system delivering 1,5m/s face velocity 220V 0,3kW motor 1400rpm, 1000m <sup>3</sup> /hr air at 370Pa as per specification FO 03.03	no	2		
FO 14.03	<b>404.00</b>	<b>GRILLS, LOUVERS, ETC.</b>				
		.01 Natural anodised aluminium grills				
	<b>404.00</b>	.01 700 x 700mm to 200 diameter adjustable outlet louvre grill controlled by fresh air ventilation fan as FO 03.05.02	no	2		
		.02 700 x 700mm air intake diffusers for delivering cold air mounted in ceiling as FO 03.05.02	no	2		
FO 14.03	<b>405.00</b>	<b>DUCTING AND ACCESSORIES</b>				
		.01 uPVC ducting, including fixing brackets, hangers, etc. surface mounted to wall and ceiling (min of Class 4 uPVC) as per FO 03.03.02				
		.01 1000mm x 200mm diameter	m	60		
		.02 uPVC ducting accessories, propose made up and including all connections to ducting, etc. (min. of Class 4 uPVC) as per FO 03.03.02				
		.01 200mm 90° bend	no	35		
		.02 200mm connection collar to equipment	no	10		
		.03 200mm T-piece	no	3		
		.04 200mm Weather cowl	no	7		
		.05 Sound Attenuator	no	1		
<b>Carried Forward</b>						

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no. 7: MECHANICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
FO 14.03	406.00	.03 Dampers, etc.					
		.01 200mm (min. Class 4 uPVC) as per FO 03.03.02	no	8			
		.04 Fully flexible connection for uPVC ducting					
		.01 200mm diameter	no	8			
		.02 Interior quality acrylic emulsion paint with smooth sheen finish					
		.01 uPVC ducting	m <sup>2</sup>	20			
		.03 Aluminium bitumen based paint					
		.01 uPVC ducting	m <sup>2</sup>	30			
FO 14.03	406.00 Cont.	<b>SPECIALISED EQUIPMENT</b>					
		<b>note: All equipment supplied must confirm to technical specification (Section FO.03). Submit all relevant information before ordering of all fittings</b>					
		<b>Supply and install as per specifications:</b>					
		.01 White epoxy coated refrigerator with 59L capacity size 600 x 600 x 1000mm high overall as FO 03.04.04	no	1			
		.02 "RETRO-FIT" Cyanoacrylate fuming chamber with dedicated uPVC extraction system, unit shall be bench mounted size 1500mm wide x 730mm deep x1580mm high of grade 304 stainless steel (min. 1.6mm) with 6mm toughened safety glass sides and viewing panes with all services and fittings specified as specification FO 03.07.01 (a)	no	1			
		.03 Single column shower emergency shower and eye wash combination, 900 x 900mm wide x 2300mm high overall with stainless steel eye wash attachment and fittings, connected to water supply as per specification FO 03.07.01 (f)	no	1			
		.04 Paper drier size 2000mm x 400mm wide x 250mm deep of 304 Stainless Steel frame with 0.8mm thick code 316 stainless steel cables	no	1			
.05 Electronic scale with range from 1g to 300g as FO 03.04.04	no	1					
		.06 Magnetic stirrer as per specifications	no	1			
		.07 Chemical waste storage cabinet 900mm high x 500mm wide x 750 deep with 2 x 25L portable containers, including connection to fitting, audible alarm and visual "full" indications all as specified as per specification FO 03.07.01 (g)	no	1			
<b>Carried Forward</b>							

INSTALLATION: LEBOWAKGOMO

## SCHEDULE no. 7: MECHANICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
		.08 Acid storage cabinet 900mm x 1000 x 750mm as per specification FO 03.07.01 (h)	no	1		
		.09 Solvent storage cabinet 900 x 1000 x 750mm as per specification FO 03.07.01 (i)	no	1		
		.10 Biometric Access control Scanner	no	4		
		.11 Access Control Phone Camera	no	1		
		.12 Vehicle Jack	no	1		
		.13 Pyrogen Fire Extinguisher	no	3		
	<b>407.00</b>	<b>ALTERATION WORK.</b>				
		.01 Disconnect and remove all rectangular ducting of various sizes to new forensic area to ceiling	m	40		
		.02 Disconnect and remove all circular ducting of various sizes to duct area to ceiling	m	40		
		.03 Remove inlet vents on ducting	no	5		
		.04 Disassemble Etching station with worktops chemically treated and with two adjustable white lights, one electrical power point, all as specified and to standard drawing with extraction system connected to central extraction as per specification FO 03.07.01 (e)	no	1		
		.05 Remove Etching Station flexible extraction arm (3m) complete with internal damper as per specification FO 03.07.01 €	no	1		
<b>TOTAL SCHEDULE 7: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE



public works  
& infrastructure  
Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

WCS 043896

REFERENCE no. 21/1/2(47)

**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:**  
Refurbishment and Repair of Building Services

INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SABS 1200 C PSC 8.2.1	204.01	<b><u>SITE CLEARANCE</u></b>				
	204.01	<b>Clear and grub:</b>				
		.01 Areas	m <sup>2</sup>	150		
SABS 1200 D PSD 8.3.3	204.02	<b><u>EARTHWORKS</u></b>				
		<b>Restricted excavation:</b>				
		.01 Excavate for footings in all materials, and use for backfill (G5 material grade) or embankment, or dispose				
		.01 Depth up to 2,0 m	m <sup>3</sup>	19		
		.02 Extra over item 140.01.01 above for:				
		.01 Intermediate excavation	m <sup>3</sup>	2		
		.02 Hard rock excavation	m <sup>3</sup>	1		
		.03 Extra over item 140.01.01 for hand excavation	m <sup>3</sup>	2		
SABS 1200 DB		<b><u>EARTHWORKS (PIPE TRENCHES)</u></b>				
		<b><u>TRENCHES FOR FLOORDRAIN SEWER PIPES</u></b>				
PSDB 8.3.2	204.03	<b>Excavate in all materials for trenches, backfill (G5 material grade), compact and dispose of surplus material:</b>				
		.01 Pipes up to 125 mm dia for depths:				
		.01 Up to 1,0 m	m	30		
		.02 Over 1,0 m up to 2,0 m	m	10		
PSDB 8.3.2	204.04	<b>Extra over item 142.01 above for:</b>				
		.01 Intermediate excavation	m <sup>3</sup>	2		
		.02 Hard rock excavation	m <sup>3</sup>	1		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
SABS 1200 DM PSDM 8.3.3	204.05	.03 Hand excavation where ordered by the Engineer:				
		.01 Soft material	m <sup>3</sup>	1		
		.02 Intermediate material	m <sup>3</sup>	1		
		.03 Hard material	m <sup>3</sup>	1		
		.04 Backfill stabilized with 5% cement where directed by the Engineer	m <sup>3</sup>	1		
		.05 Soilcrete backfill where directed by the Engineer	m <sup>3</sup>	1		
		<b><u>EARTHWORKS (ROADS, SUBGRADE)</u></b>				
	204.05	<b>Treatment of roadbed:</b>				
		.01 Roadbed preparation and compaction of material to:				
		.01 Minimum of 90% of modified AASHTO maximum density (in trench excavations)	m <sup>3</sup>	4		
		.02 Minimum of 93% of modified AASHTO maximum density (compaction below surface beds - optional)	m <sup>3</sup>	5		
PSDM 8.3.5	204.06	<b>Selected layer using material from designated borrow pits (G5 material grade) or excavations (Natural gravel layerworks in under surface beds)</b>				
		.01 Compacted to 93% modified AASHTO density	m <sup>3</sup>	3		
PSDM 8.3.18	204.07	<b>Final finishing and cleaning up of the Site of the Works</b>	Sum	-	-	
	205.00	<b>CIVIL, STRUCTURAL &amp; WET SERVICES</b>				
		NEW WORK				
	205.00	<b>ROOF CLADDING AND SHEETING</b>				
SABS 1200HB BA.06	205.01	Supply and install cladding and sheeting				
		.01 To match existing roof covering				
		.01 Roof covering fixed to timber or steel purlins	m <sup>2</sup>	140		
<b>Carried Forward</b>						

## INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BB.06	205.02	Supply and install ancillaries:				
	.01	Fibre cement surfaces:				
	0.1	Fascia and barge boards	m	50		
BA.06		ALTERATION WORK				
BA.01	205.03	Rainwater Goods				
		Supply and install rainwater goods:				
	.01	0.8 mm thick galvanised sheeting with silicone polyester finish to one side				
	.01	100 mm x 75mm down pipes	m	40		
	.02	100 mm x 75 mm shoe fittings	no	8		
	.03	Gutters and downpipes - Match the existing. Supply and install	m	130		
BB	<b>206.00</b>	<b>CARPENTRY</b>				
BB.06		NEW WORK				
BB.06.02.01	206.01	Structural timber:				
	.01	Roof beams				
	.01	50 x 150mm	m	70		
	.02	Purlins				
	.01	38 x 38mm	m	168		
BB.06.02.02	206.02	Ceilings:				
	.01	Gypsum board with metal H-profile jointing strips:				
	.01	38 x 38mm branding at 450mm centres in both directions	m	165		
	.02	6.4mm ceiling	m <sup>2</sup>	133.5		
	.03	450 x 450mm ceiling trapdoor	no	1		
	.02	Gypsum cornices:				
	.01	76mm coved cornices	m	120		
		Close up laboratory windows with chip board or approved similar and make neat	m <sup>2</sup>	6		
<b>Carried Forward</b>						

## INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BA.02		ALTERATION WORK				
	206.03	Alterations and repairs to existing structures:				
	206.04	.01 Re-align and re-fix				
		.01 Fibre or gypsum board ceilings and cornices	m <sup>2</sup>	78.5		
BD	<b>207.00</b>	<b>WALLS</b>				
BD.06.02		NEW WORK				
BD06.02.04	207.01	Brickwork in cement mortar				
		.01 115 mm Walls	m <sup>2</sup>	35		
		.02 230 mm Walls	m <sup>2</sup>	150		
		<b><u>BD: WALLS</u></b>				
		<b><u>NEW WORK</u></b>				
		<b>Doors and windows:</b>				
		.01 Supply and Install				
		.01 Galvanised roller shutter door size ± 3 200 mm x 3 050 mm high including replacing slats as specified in the Technical Specifications	no	1		
		<b>Ironmongery, steelwork, glass, wall finishings, etc.:</b>				
		.01 Supply and Install				
		.01 Garage roller shutter door lock	no	1		
BD.06.02.01	207.02	Doors and windows:				
		.01 Steel door frames				
		.01 1.6mm thick pressed steel double door frame for door size 1210 x 2032mm high in prepared opening (opening elsewhere) (including repairing all finishes all round)	no	3		
		.02 1.6mm thick pressed steel single door frame for door size 813 x 2032mm high in prepared opening (opening elsewhere) (including repairing all finishes all round)	no	1		
<b>Carried Forward</b>						

## INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BD.06.02.03	207.03	Joinery:				
		.01 Items measured by no:				
		.01 Solid meranti double door with rebated meeting stiles, 40mm thick in two leaves size, 813 x 2032mm and other leave 397 x 2032mm high	no	3		
		.02 Solid meranti door, 40mm thick, size 813 x 2032mm including all necessary seals and gaskets with lock 6 lever	no	1		
		.03 2 hour fire rated door as per specifications, size 813 x 2032mm, including all necessary seals and gaskets with lock 6 lever	no	1		
		.04 Hollow core door 813 x 2032mm with lock 4 lever	no	1		
		.05 Vertical louvre blinds complete with track, runners, hand controls, material louvres, etc. and fixed in window (7.2.6 Finishes)	no	9		
		.06 1022 mm x 1245 mm high window opening	no	12		
		.07 1540 mm x 2000 mm high window opening	no	1		
BD.06.02.04	208.00	<b>Ironmongery, steelwork, glass, etc.</b>				
		.01 Items measured by no:				
		.01 6-lever mortice lock with rebate set for double door suitable for master key system with approved handle set with back plate	no	3		
		.02 Replace as existing lockset with handles	no	6		
		.03 Master key	no	4		
		.04 150mm brass barrel bolts	no	2		
		.05 38mm diameter rubber door stop to concrete	no	4		
		.05 19mm diameter chromium plated towel rail 500mm long with wall brackets	no	2		
		.06 150 x 150mm Porcelain soap holder to brickwork	no	2		
		.07 Steiner soap dispenser to brickwork	no	2		
<b>Carried Forward</b>						



## INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
		.08 Steel security gate of 25 x 25 x 2mm tubular frame and two horizontal rail filled in with 10 x 10mm square bar at 150mm centres and with lock block with 6-lever mortice lock and striker plate	no	2		
		.09 Toilet paper dispenser	no	4		
		.02 Standard brass peg and stay to steel windows	no	4		
		.03 Standard brass sliding stay to steel windows	no	4		
		.04 Steel window handle	no	4		
		.05 Cupboard pull handles with push button lock and two keys	no	8		
		.06 Cupboard pull handles	no	8		
		.07 Items measured by area:				
		.01 200 x 200mm glazed wall tiles to existing plastered and painted walls	m <sup>2</sup>	3		
		.02 200 x 200mm glazed wall tiles to existing plastered and painted walls to walls at splash backs	m <sup>2</sup>	8		
		.03 Grade 1 quality, chemical resistant floor tiles of size 200mm x 200mm as per specification inclusive of preparing existing concrete base to receive tiles	m <sup>2</sup>	27.5		
		.04 Vinyl floor sheeting in patchwork	m <sup>2</sup>	159		
		.05 4mm clear float glass to steel sashes	m <sup>2</sup>	1		
		.06 6mm clear float glass to steel sashes	m <sup>2</sup>	1		
		.07 Burglar proofing to existing steel windows of 10 x 10mm square bars at 150mm centres welded to steel frames	m <sup>2</sup>	6		
BD.06.02.05		ALTERATION WORK				
BD.06.02.05	208.01	Alterations and repair to existing structures:				
		.01 Repair and re-fix:				
		.01 Brass window handles as existing	no	4		
		.02 Carefully remove				
		.01 Timber single door from steel frame	no	5		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BE	209.00	.03 Repair and seal				
		.01 Cracks in plastered walls	m	12		
		.02 Putty to window frames	m	25		
BE.06.02		<b>FLOORS</b>				
		NEW WORK				
BE.06.02.01	209.01	Floor screeds				
		.01 30mm thick plaster screed to falls	m <sup>2</sup>	115		
BE.06.02.03	209.02	Floor tiling and finishes etc.:				
		.01 Items measured by linear meter:				
		.01 Skirting of 240 x 115 x 11.5mm glazed ceramic floor tiles with approved epoxy grout in patchwork	m	10		
		.02 50mm high skirting with quarterround	m	22		
8.3.2	209.03	High-tensile welded mesh in the following:				
		.01 Ref no 245 in ramps (Provisional)	m <sup>2</sup>	18		
		.02 Ref no 245 in concrete floors (Provisional)	m <sup>2</sup>	115		
		.03 Concrete				
		.01 Concrete Class 25/19	m <sup>3</sup>	15		
8.4.4	209.04	<b>Unformed surface finishes:</b>				
		.01 Wood-floated finishes to:				
		.01 Top of ramps and floors	m <sup>2</sup>	255		
PD.02	209.05	<b>Plaster work:</b>				
		.01 15 mm thick, steel-float finish (internally)	m <sup>2</sup>	255		
BE.06.02.04		ALTERATION WORK				
BE.06.02.04	209.06	Alterations and repairs to existing structures:				
		.01 Break up and remove:				
		.01 Sections of concrete surface beds (up to 200mm thick)	m <sup>2</sup>	10		
		.02 Vinyl floor tiles of size 300mm x 300mm	m <sup>2</sup>	159		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BJ	<b>210.00</b>	<b>PAINTWORK</b>				
BJ.06.02		NEW UNPAINTED SURFACES				
BJ.06.02.01	210.01	Paint to new unpainted surfaces:				
		.01 Interior quality acrylic emulsion paint with smooth sheen appeal				
		.01 Walls	m <sup>2</sup>	255		
		.02 Super high gloss enamel paint to steel surfaces:				
		.01 Grille doors and gates (measured both sides flat)	m <sup>2</sup>	10		
		.02 Gypsum/ fibre board ceilings	m <sup>2</sup>	133.5		
		.03 Super universal high gloss enamel paint to wooden surfaces:				
		.01 Timber doors	m <sup>2</sup>	25		
		.04 Self levelling Epoxy Paint				
		.01 Floors	m <sup>2</sup>	100		
		.05 Aluminium bitumen paint				
		.01 Extractor fan and ducting	m <sup>2</sup>	10		
BJ.06.02.03	210.02	PREVIOUS PAINTED SURFACES IN BAD CONDITION:				
		.01 Plaster surfaces:				
		.01 Interior quality acrylic emulsion paint with smooth sheen appeal				
		.01 Walls	m <sup>2</sup>	600		
		.02 Gypsum/ fibre board, concrete ceiling	m <sup>2</sup>	205		
		.02 Metal surfaces:				
		.01 Super universal high glass enamel to:				
		.01 Steel door frames, window frames	m <sup>2</sup>	14.25		
		.02 Grille doors and gates (both sides measured flat)	m <sup>2</sup>	3		
		.03 Gutters, rainwater downpipes etc.	m	20		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
AA.02		.04 Prepare existing galvanised or previously painted roof sheeting and paint with a polyurethane coating system as per technical specification	m <sup>2</sup>	325		
		.03 Wooden surfaces:				
		.01 Super universal high gloss enamel paint to wooden surfaces:				
		.01 Timber doors	m <sup>2</sup>	48.5		
		.02 Skirting	m	10		
		.02 Two coats carbolineum coating:				
		.01 Roof truss members	m <sup>2</sup>	100		
		.04 Aluminium bitumen paint				
		.01 Extractor fan and ducting	m <sup>2</sup>	10		
		<b>211.00 PLUMBING AND DRAINAGE</b>				
	211.01 Water Supply					
	.01 Class O copper piping with capillary fittings					
	.02 15mm diameter pipes chased into walls including fittings	m	15			
	.03 22mm diameter pipes surface including fittings	m	10			
	.02 Taps, etc.					
	.01 Chromed brass wall mounted fittings					
	.01 15mm 107EC bib tap	no	2			
	.02 15mm 111 star pillar tap	no	2			
	.03 Under wall star stopcock	no	2			
	.04 15mm 166/041 star sink mixer	no	1			
	.05 15mm ballstop valve	no	1			
	.06 15mm copper service pipe 340mm long	no	3			
	.07 15mm hot/cold laboratory mixer	no	1			
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
AA.02	211.02	.03 Geyser: 150l SABS Approved geyser	no	1		
		.04 Move and re-fix double sink in Laboratory	no	2		
		.05 New double sink in Laboratory	no	1		
		Waste water				
		.01 Valcathene type waste piping				
		.01 50mm diameter surface	m	10		
		.02 50mm diameter chase in wall, floors, etc.	m	15		
		.02 Extra over for welded valcathene fittings				
		.01 Elbow	no	3		
		.02 Elbow with cleaning eye	no	2		
		.03 Junction with cleaning eye	no	2		
		.04 S-trap	no	2		
		.03 Waste water grid, 500 x 500mm. Heavy duty including strainer	no	1		
		.04 Waste water pipe, 100mm. Supply and install	m	40		
		.05 Toilet complete with all fittings connected to water supply and sewer	no	3		
		.06 Shower complete with all fittings, connected to water supply and sewer	no	1		
		.07 Stainless steel hand dryer unit with blower output of 450 watt @ 20 000 rpm similar or equal	no	1		
AA.02	211.03	Sanitary fittings including connection to water and waste water piping, hanging and fixing brackets and set in position				
		.01 304 stainless steel basin, etc.				
		.01 560 x 450mm code 0112 porcelain wash hand basin with two semi concealed brackets	no	2		
		.02 Ceramic fireclay laboratory sink 600 x 400 x 200mm 2361 code set in worktop	no	1		
		.03 Stainless Steel WC with Cistern and Flushing Mechanisms	no	1		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
AA.02	211.04	.04 Concealed Flushmaster for WC	no	1			
		.05 Single bowl laboratory sink with surface mounted laboratory type 8500 4AC tap	no	2			
		.02 Traps, etc. including connection to piping					
		.01 50mm 316 chromium plated brass waste outlet complete with plug and chain	no	1			
		.02 50mm 360/50 chrome plated bottle trap	no	2			
		ALTERATION WORK					
		Take out and remove					
		.01 Piping and accessories, including blanking of existing piping					
		.01 15mm water piping	m	10			
		.02 40-50mm waste water piping	m	5			
	.02 Sanitary fittings including blanking off existing water and waste water piping						
	.01 Hand wash basin	no	1				
	.02 Stainless steel sink	no	2				
	211.05	Cut into and connect to existing supply, etc.					
		.01 Water supply					
		.01 Find existing 20mm supply, secure supply cut through fit T-piece and connect 15mm copper supply	no	2			
		.02 Waste water disposal					
		.01 Find existing 50mm waste water system, secure cut through fit i.e. junction and connect 50mm valcathene piping	no	2			
		.03 Form opening through brick walls, including making good after installation					
	.01 Pipe not exceeding 100mm diameter through 220mm wall	no	2				
<b>Carried Forward</b>							

## INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO.14.03	211.06	FITTINGS, SHELVES, WORKTOPS, ETC.				
		.01 First aid kit in a lockable case, fixed to wall and clearly marked	no	3		
		.02 4.5Kg dry power fire extinguisher mounted on a hardwood backboard to brick wall	no	3		
		.03 9Kg fire extinguisher for chemical mounted on hardwood backboard to brick wall	no	3		
		.04 Type 11 hazard signs size 190 x 190mm ( all signage to comply)	Sum	-	-	
		.05 Single compartment lockers with lockable door 300mm wide x 450mm deep x 1800mm high	no	4		
		.06 32mm thick particle board worktops Formica clad with edges rounded, including epoxy powder coated 30 x 30 x tubular framing, with adjustable feet				
		.01 1000mm wide worktops	m	15		
FO.14.03	<b>211.06</b>	.07 Epoxy powder coated steel office type filing and stationery cabinets				
	(Cont.)	.01 900mm wide x 300mm deep x 2200mm high Steel shelving	no	10		
		.02 900 x 660 x 500mm 4 drawer filing cabinet	no	3		
		.03 900 x 660 x 100mm 6 drawer filing cabinet	no	3		
		.08 Laboratory furniture (7.6)				
		General storage cabinets of 32mm clad work tops with powder coated steel frames and 16mm clad doors, drawers, side back, etc.				
		.01 1m long with 2 doors	no	2		
		.02 1m long with 6 drawers	no	2		
		.03 Cabinets (7.5.1)	no	2		
		.04 700mm high laboratory chairs as per specification	no	2		
<b>Carried Forward</b>						

## INSTALLATION: ACORNHOEK

## SCHEDULE no 8: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO.14.03	211.06 (Cont.)	.09 Alteration work  Disconnect and remove and hand over to representative on written notice				
		.01 Storage cabinets	no	6		
		.02 Work tops	no	23		
		.03 Existing photographic develop equipment	no	3		
		.04 Forensic laboratory equipment	no	6		
	211.06 (Cont.)	.05 Chemical storage cabinets with content	no	1		
		.10 Fire Fighting Equipment:				
		.01 Service, clean and repair fire hose reel with 30m hose	no	1		
		.02 Service, recharge, clean and repair fire extinguishers				
		.01 4.5Kg DCP fire extinguisher	no	3		
		.02 9Kg dry power fire extinguisher	no	1		
		.03 Service and repair wooden fire fighting cabinet and provide secure locking mechanism and see-through key box	no	1		
		.11 Move chemical Waste storage cabinet from Dark Room to Inspection Booth and install.	no	1		
		.12 Remove redundant dark room equipment	Sum	-		-
	.13 Install new glass doors to chemical waste storage cabinet	no	1			
	.14 Remove Blinds	no	14			
<b>TOTAL SCHEDULE 8: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						



## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE NO. 21/1/2(47)

public works  
& infrastructureDepartment:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICASOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services

## INSTALLATION: ACORNHOEK

## SCHEDULE no. 9: ELECTRICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
AB.02	300.00	<b>ELECTRICAL INSTALLATION</b>				
AB.02	301.00	<b>DISTRIBUTION BOARD FITTING</b> Fittings in distribution board, including connections and cradles, etc. Fittings to match equipment in board				
		.01 60A (5kA) 3-pole mccb	no	2		
AB.02	302.00	<b>DISTRIBUTION BOARDS</b>				
		.01 Built in distribution boards with frames, sub-frames, cradles lockable doors, internal wiring, spare position, etc				
		0.1 Sheet metalwork	no	1		
		.02 10A 1-pole mccb (2,5kA)	no	1		
		.03 20A 1-pole mccb (2,5kA)	no	4		
		.04 20A 3-pole mccb (2,5kA)	no	2		
		.05 40A 2-pole single phase earth leakage	no	1		
		.06 15A - CB (6KA)	no	1		
		.07 20A - CB (6KA)	no	1		
		.08 Lightning and surge protector. Single phase	no	10		
AB.02	303.00	<b>LOW VOLTAGE CABLE INSTALLATIONS</b>				
		.01 PVC/PVC/SWA/PVC Copper core cables				
		.01 4mm x 4-core cable surface	m	10		
		.02 6mm x 4-core cable surface	m	45		
AB.02		.02 Cable terminations, including lugs, shrouds, etc.				
		.01 4mm x 4-core cable surface	no	1		
		.02 6mm x 4-core cable surface	no	2		
		.03 Terminate bare copper earth conductor				
		.01 4mm 1ph	no	1		
		.02 6mm	no	1		
<b>Carried Forward</b>						

## INSTALLATION: ACORNHOEK

## SCHEDULE no. 9: ELECTRICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
AB.02	<b>304.00</b>	<b>LIGHTING INSTALLATIONS</b>				
		.01 Luminaries				
		.01 Vapour proof sealed unit - 1,5m double tub fitting	no	53		
		.02 Vapour proof sealed unit - bulkhead fitting 2 x PL9	no	2		
AB.02		.02 Light switches, etc.				
		.01 16A single lever one way vapour proof switch	no	25		
		.03 Light Bulbs				
		.01 Fluorescent lights	no	66		
AB.02	<b>305.00</b>	<b>SMALL POWER INSTALLATIONS</b>				
		.01 Power outlets, etc.				
		.01 16A single vapour proof socket outlets	no	23		
		.02 16A single vapour dedicated socket outlet	no	3		
		.03 40A vapour proof single phase isolators	no	2		
		.04 Connection to equipment with galvanised sprague and relevant wiring not exceeding 1,5m long, e.g. geyser	no	1		
AB.02	<b>306.00</b>	<b>WIRING INSTALLATIONS</b>				
		.01 PVC insulated copper wiring into conduits, trunking, etc.				
		.01 2,5mm	m	900		
		.02 4mm	m	200		
		.03 1.5mm	m	15		
		.02 Bare copper earth wiring into conduits, trunking, etc.				
		.01 2,5mm	m	200		
		.02 4mm	m	100		
		.03 1.5mm	m	25		
AB.02		.03 nors cable (Twin+E)				
		.01 2,5mm	m	15		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no. 9: ELECTRICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
<b>AB.02</b>	<b>307.00</b>	<b>WIRE WAYS, CONDUITS AND ACCESSORIES</b>					
		.01 PVC conduit including bends, accessories, etc.					
		.01 20mm	unit	90			
		.02 Galvanised steel conduits, including bends, accessories, etc.					
		.01 20mm	unit	220			
		.03 Pratley boxes					
		.01 127mm diameter - 3way outside	no	1			
		.04 Draw and outlets boxes, etc.					
		.01 50 x 100mm Galvanises steel	no	2			
		.02 100 x 100mm Galvanises steel	no	16			
		.03 50 x 100mm Galvanises steel with blank cover	no	1			
		.04 60mm round outlet box with cover	no	7			
		.05 Provide Certificate of Compliance for all Distribution Boards	no	1			
		<b>308.00</b>	<b>DISCONNECT AND REMOVE</b>				
		.01 Light fitting	no	6			
		.02 Wiring in conduits	m	75			
		.03 Outlet boxes	no	4			
		<b>309.00</b>	<b>SMOKE ALARM CONTROL PANEL</b>				
		.01 Move smoke alarm to outside of Laboratory into passage and re-connect	no	1			
		.02 Smoke Alarm	no	2			
		.03 Smoke Detector	no	8			
		<b>310.00</b>	Supply and install SABS approved unit: 3KVA UPS minimum 1-2 hours backup as per Engineers approval..	no	1		
<b>TOTAL SCHEDULE 9: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>							

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE NO. 21/1/2(47)



public works  
& infrastructure  
Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:**  
Refurbishment and Repair of Building Services

INSTALLATION: ACORNHOEK

## SCHEDULE no. 10: MECHANICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
FO 14.03	<b>400.00</b>	<b>MECHANICAL INSTALLATION</b>				
		NEW WORK				
	<b>401.00</b>	<b>AIR CONDITIONING INSTALLATION</b>				
	401.01	.01 Split unit type to maintain temperatures of 16°C to 24°C Wall mounted, complete with heat pumps, cooling systems, pipework, controls, unistrut brackets etc:				
		.01 12000 BTU unit	no	9		
		.02 18000 BTU unit	no	1		
FO 14.03	401.02	SERVICE / REPAIR WORK				
		.01 Service existing split re-circulation type air-con unit complete	no	1		
		.02 Remove existing air conditioner units and hand over to relative SAPS authority	no	9		
	<b>402.00</b>	<b>FRESH AIR VENTILATION</b>				
		.01 Fresh air fan unit installed to replace 70% of extracted air and shall be manufactured of 1,2mm epoxy powder coated steel housing, fitted with primary filters with 305 efficient (ashrae 52- 76) @ 5 micron and installed in position as per specification FO 03.05	no	1		
		.02 Fresh air fan unit installed to replace 120% of extracted air and shall be manufactured of 1,2mm epoxy powder coated steel housing, fitted with primary filters with 305 efficient (ashrae 52- 76) @ 5 micron and installed in position as per specification FO 03.05	no	1		
		.03 Primary filters for the fresh air supply shall be of trox SA type, size to airflow requirements and shall be washable, have an initial pressure of 80Pa and have a final pressure of 250Pa	no	1		
	402.01	SERVICE / REPAIR WORK				
		.01 Service existing Fresh Air Supply system complete and replace filters	no	1		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no. 10: MECHANICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO 14.03	<b>403.00</b>	<b>EXTRACTION SYSTEM</b>				
		.01 Central extraction fan with spark proof, acid and water resistant external direct drive induction motor capable of extracting between 12-15 air-charges per hour and shall be capable of 24hour operation with on/off switching within room and installed with anti vibration mountings to brick walls for Vehicle Inspection Booth as per Specification FO 03.03.04				
		.01 Vehicle Inspection Booth	no	1		
		.02 Digital Laboratory	no	1		
		.02 Dedicated extraction fan for Cyanoacrylate Chemical Fuming Chamber, Powder down-flow bench, Chemical Fume Cabinet & etching extraction system delivering 1,5m/s face velocity 220V 0,3kW motor 1400rpm, 1000m <sup>3</sup> /hr air at 370Pa as per specification FO 03.03	no	1		
	403.01	<b>SERVICE / REPAIR WORK</b>				
		.01 Service existing extraction system complete and replace filters	no	2		
FO 14.03	<b>404.00</b>	<b>GRILLS, LOUVERS, ETC.</b>				
		.01 Natural anodised aluminium grills				
	<b>404.00</b>	.01 700 x 700mm to 200 diameter adjustable outlet louvre grill controlled by fresh air ventilation fan as FO 03.05.02	no	2		
		.02 700 x 700mm air intake diffusers for delivering cold air mounted in ceiling as FO 03.05.02	no	2		
FO 14.03	<b>405.00</b>	<b>DUCTING AND ACCESSORIES</b>				
		.01 uPVC ducting, including fixing brackets, hangers, etc. surface mounted to wall and ceiling (min of Class 4 uPVC) as per FO 03.03.02				
		.01 1000mm x 200mm diameter	m	60		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no. 10: MECHANICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
		.02 uPVC ducting accessories, propose made up and including all connections to ducting, etc. (min. of Class 4 uPVC) as per FO 03.03.02				
		.01 200mm 90° bend	no	35		
		.02 200mm connection collar to equipment	no	10		
		.03 200mm T-piece	no	3		
		.04 200mm Weather cowl	no	7		
		.05 Sound Attenuator	no	1		
		.03 Dampers, etc.				
		.01 200mm (min. Class 4 uPVC) as per FO 03.03.02	no	8		
		.04 Fully flexible connection for uPVC ducting				
		.01 200mm diameter	no	8		
		.02 Interior quality acrylic emulsion paint with smooth sheen finish				
		.01 uPVC ducting	m <sup>2</sup>	10		
		.03 Aluminium bitumen based paint				
		.01 uPVC ducting	m <sup>2</sup>	15		
FO 14.03	406.00	<b>SPECIALISED EQUIPMENT</b> <b>note: All equipment supplied must confirm to technical specification (Section FO.03). Submit all relevant information before ordering of all fittings</b>				
		<b>Supply and install as per specifications:</b>				
		.01 White epoxy coated refrigerator with 59L capacity size 600 x 600 x 1000mm high overall as FO 03.04.04	no	1		
FO 14.03	406.00 Cont.	.02 Biohazard safety cabinet, unit shall be bench mounted with own HEPA filter system, size 1370mm x 750mm deep x 1600mm high of grade 304 stainless steel with 6mm toughened glass hinged sash, all with fittings and services as specified as FO	no	1		
		.03 Single column shower emergency shower and eye wash combination, 900 x 900mm wide x 2300mm high overall with stainless steel eye wash attachment and fittings, connected to water supply as per specification FO 03.07.01 (f)	no	1		
<b>Carried Forward</b>						

INSTALLATION: ACORNHOEK

## SCHEDULE no. 10: MECHANICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
		.04 Paper drier size 2000mm x 400mm wide x 250mm deep of 304 Stainless Steel frame with 0.8mm thick code 316 stainless steel cables	no	1			
		.05 Photo-view Fluorescent Light Box of size 1200 x 450 x 300mm	no	1			
		.06 Chemical waste storage cabinet 900mm high x 500mm wide x 750 deep with 2 x 25L portable containers, including connection to fitting, audible alarm and visual "full" indications all as specified as per specification FO 03.07.01 (g)	no	2			
		.07 Acid storage cabinet 900mm x 1000 x 750mm as per specification FO 03.07.01 (h)	no	1			
		.08 Solvent storage cabinet 900 x 1000 x 750mm as per specification FO 03.07.01 (i)	no	1			
		.09 Biometric Access control Scanner	no	2			
		.10 Access Control Phone Camera	no	2			
		.11 Vehicle Jack	no	1			
		.12 Pyrogen Fire Extinguisher	no	3			
	<b>408.00</b>	<b>ALTERATION WORK.</b>					
		.01 Disconnect and remove all rectangular ducting of various sizes to new forensic area to ceiling	m	40			
		.02 Disconnect and remove all circular ducting of various sizes to duct area to ceiling	m	40			
		.03 Remove inlet vents on ducting	no	5			
		.04 Disassemble Etching station with worktops chemically treated and with two adjustable white lights, one electrical power point, all as specified and to standard drawing with extraction system connected to central extraction as per specification FO 03.07.01 (e)	no	1			
		.05 Remove Etching Station flexible extraction arm (3m) complete with internal damper as per specification FO 03.07.01 (e)	no	1			
	<b>TOTAL SCHEDULE 10: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						-

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE no. 21/1/2(47)



public works  
& infrastructure  
Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services

INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>SABS 1200 G</b>	<b>201.00</b>	<b><u>CONCRETE (STRUCTURAL)</u></b>				
		<b><u>SCHEDULED REINFORCEMENT ITEMS</u></b>				
8.3.2	<b>201.01</b>	<b>High-tensile welded mesh in the following:</b>				
		.01 Ref no 245 in ramps (Provisional)	m <sup>2</sup>	1		
		.02 Ref no 245 in concrete floors (Provisional)	m <sup>2</sup>	1		
		<b><u>SCHEDULED CONCRETE ITEMS</u></b>				
8.4.3	<b>201.02</b>	<b>Strength concrete:</b>				
		.01 Class 20 MPa/ 19 mm concrete in:				
		.01 Foundation footings (450 x 300 mm thick)	m <sup>3</sup>	1		
		.02 Floor slab (100 mm thick)	m <sup>3</sup>	1		
		.03 Ramps	m <sup>3</sup>	1		
		.04 Repair concrete roof slab to specification	m <sup>2</sup>	48		
8.4.4	<b>201.03</b>	<b>Unformed surface finishes:</b>				
		.01 Wood-floated finishes to:				
		.01 Top of ramps	m <sup>2</sup>	2		
<b>SABS 1200 LD</b>	<b>202.00</b>	<b><u>SEWERS</u></b>				
8.2.1	<b>202.01</b>	<b>Supply, lay, joint, bed on flexible pipe bedding and test pipeline:</b>				
		.01 uPVC solid wall class 34 pipes:				
		.01 110 mm dia	m	5		
8.2.2	<b>202.02</b>	<b>Extra over item 207.01 for specials:</b>				
		.01 110 mm dia bend (45° or 90°)	no	2		
		.02 110 mm dia junction	no	2		
<b>Carried Forward</b>						



INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
PD 10	203.00	.03 100 mm R0 280 SV(H) NW 100 mm stainless steel floor drain including connection to 110 mm dia sewer pipe	no	1		
		.04 PVC Gulley complete with precast concrete surround	no	1		
		<b><u>BUILDING WORK</u></b>				
		note: All building work must be in accordance with the detailed specifications as issued by SAPS / DPWI				
		Reference to specific items in the specifications will be indicated in brackets in the end of item in the bill of quantities				
PD.01	203.01	<b>Brickwork:</b>				
		.01 230 mm thick, non-facing engineering in foundations	m <sup>2</sup>	5		
		.02 230 mm thick, non-facing engineering bricks interior, facing brick exterior to superstructure	m <sup>2</sup>	5		
		.03 115 mm thick facing brick engineering brick in beamfilling	m <sup>2</sup>	5		
		.04 115 mm thick non facing brick engineering brick	m <sup>2</sup>	5		
PD.02	203.02	<b>Plaster work:</b>				
		.01 15 mm thick, steel-float finish (internally)	m <sup>2</sup>	48		
PD.03	203.03	<b>Floor screeds:</b>				
		.01 Average 50 mm thick to falls	m <sup>2</sup>	10		
PD.04	203.04	<b>Doors and windows:</b>				
		.01 Steel door frames:				
		.01 Pressed steel door frame suitable for 230 mm brick wall and dust and light proof single door size 813 x 2 032 mm high x 1.6 mm thick	no	1		
		0.2 Pressed steel door frame suitable for 115 mm brick wall and dust and light proof single door size 813 x 2 032 mm high x 1.6 mm thick	no	1		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
<b>BC.02.01</b>	<b>203.05</b>	.02 Replace Steel window frame as existing, including 4 mm clear glazing, and fibre-cement cills	no	1		
		.03 Steel burglar proofing over window opening size as existing Rawl bolted to walls (7.2.4 Windows)	no	4		
		.04 Striking plate	no	5		
		<b>Waterproofing of concrete roofs:</b>				
<b>BB</b>	<b>204.00</b>	.01 Items measured by square metre: .01 Pure acrylic emulsion waterproofing paint with polyester membrane or glass-fibre tissue waterproofing sealing system	m <sup>2</sup>	80		
		.02 Gutters and downpipes - .01 Match the existing. Supply and install	m	20		
		<b>CARPENTRY</b>				
<b>PD.06</b>	<b>204.02</b>	.01 Remove, install and replace damaged Drywall panel 2m x 1.5m with chip board or approved similar	m <sup>2</sup>	15		
		.02 Close up laboratory windows with chip board or approved similar and make neat	m <sup>2</sup>	6		
<b>PD.07</b>	<b>204.03</b>	<b>Ceilings:</b>				
		.01 Replace roof slates as existing	no	35		
		<b>Joinery:</b>				
		.01 Items measured by linear meter: .01 Vinyl skirting	m	133		
		.02 Skirting of 240 x 115 x 11.5mm glazed ceramic floor tiles with approved epoxy grout in patchwork	m	25		
		.02 Repair and seal .01 Cracks in plastered walls	m	33		
		.02 Putty to window frames	m	8		
		.03 Items measured by no (7.2 Doors ) .01 Solid meranti door, 40mm thick, size 813 x 2032mm including all necessary seals and gaskets with lock 6 lever	no	1		
		.02 2 hour fire rated door as per specifications, size 813 x 2032mm, including all necessary seals and gaskets with lock 6 lever	no	2		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
PD.07	204.03	.03 Hollow core door 813 x 2032mm with lock 4 lever	no	14		
		.04 Master key	no	6		
		.05 Replace as existing lockset with handles	no	5		
BJ06 .02.01	205.00	<b>PAINT TO NEW UNPAINTED SURFACES:</b>				
		.01 Interior quality acrylic emulsion paint with smooth sheen appeal				
		.01 Walls	m <sup>2</sup>	5		
		.02 Gypsum/fibre board ceiling	m <sup>2</sup>	15		
		.02 Super high gloss enamel paint to steel surfaces				
		.01 Steel door frames	m <sup>2</sup>	1.5		
		.02 Grille doors and gates (measured both sides flat)	m <sup>2</sup>	1		
		.03 Super universal high gloss enamel paint to wooden surfaces:				
		.01 Timber doors	m <sup>2</sup>	5		
		.04 Aluminium bitumen paint				
		.01 Extractor fan and ducting	m <sup>2</sup>	30		
BJ.06 .02.02	206.00	<b>PREVIOUS PAINTED SURFACES</b>				
		.01 Plaster surfaces:				
		.01 Interior quality acrylic emulsion paint with smooth sheen appeal				
		.01 Walls	m <sup>2</sup>	1060		
		.02 Interior quality super acrylic PVA paint:				
		.01 Gypsum/fibre board ceiling, concrete ceiling	m <sup>2</sup>	465		
		.02 Metal surfaces:				
		.01 Super universal high gloss enamel to:				
		.01 Steel door, frames and window frames	m <sup>2</sup>	22.25		
		.02 Grille doors and gates (both sides measured flat)	m <sup>2</sup>	5		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
BJ.06 .02.02	206.00	.03 Wooden surfaces:				
		.01 Super universal high gloss enamel paint to wooden surfaces:				
		.01 Timber doors	m <sup>2</sup>	52.5		
		.04 Aluminium bitumen paint				
		.01 Extractor fan and ducting	m <sup>2</sup>	30		
AA03	207.00	<b>PLUMBING AND DRAINAGE</b>				
AA09.04	207.01	Water Supply				
		.01 Class 0 copper piping with capillary fittings				
		.01 15mm diameter pipes chased into walls including fittings	m	5		
		.02 22mm diameter pipes surface including fittings	m	5		
		.02 Taps, etc.				
		.01 Chromed brass wall mounted fittings				
		.01 15mm 107EC bib tap	no	1		
		.02 15mm 111 star pillar tap	no	1		
		.03 Under wall star stopcock	no	1		
		.04 15mm ballstop valve	no	1		
		.05 15mm copper service pipe 340mm long	no	1		
		.06 15mm 166/041 star sink mixer	no	1		
		.02 Steel kitchen cupboard with Double bowl SS sink	no	1		
		.03 Vitreous china 520 x 415mm rounded wall mounted wash hand basin - white including all fittings	no	16		
		.03 Move and re-fix double sink in Laboratory	no	1		
		.04 Remove redundant dark room equipment	Sum	-	-	
		.05 Supply and install 100l,400kPa hot water geyser complete with PRV, vacuum breakers, drip tray etc and connect to ex. plumbing	no	1		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
<b>Brought Forward</b>							
PD.09	207.02	Sanitary fittings including connection to water and waste water piping, hanging and fixing brackets and set in position					
	.01	304 stainless steel basin, etc.					
		.01 Single bowl laboratory sink with surface mounted laboratory type 8500 4AC tap	no	1			
	<b>ALTERATION WORK</b>						
	207.03	Take out and remove					
	.01	Piping and accessories, including blanking of existing piping					
	.01	15mm water piping	m	5			
	207.04	Cut into and connect to existing supply, etc.					
	.01	Water supply					
	.01	Find existing 20mm supply, secure supply cut through fit T-piece and connect	no	1			
	.02	Form opening through brick walls, including making good after installation					
	.01	Pipe not exceeding 100mm diameter through 220mm wall	no	1			
	.02	Extractor fan including ducting	no	1			
	207.05	<b>Miscellaneous items:</b>					
	.01	Items measured by no:					
	.01	4, 5 kg DCP fire extinguisher mounted on hardwood backboard to wall	no	1			
	.02	Vertical louvre blinds complete with track, runners, hand controls, material louvres, etc and fixed in window (7.2.6 Finishes)	no	9			
	.03	1022 mm x 1245 mm high window opening	no	1			
	.04	1540 mm x 2000 mm high window opening	no	1			
	.05	3600 mm x 2000 mm high window opening	no	3			
.06	4650 mm x 2000 mm high window opening	no	26				
.07	.01 General storage cabinet	no	1				
<b>Carried Forward</b>							

INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO.140.03	208.00	<b>FITTINGS, SHELVES, WORKTOPS, ETC.</b>				
		.01 First aid kit in a lockable case, fixed to wall and clearly marked	no	3		
		.02 Single compartment lockers with lockable door 300mm wide x 450mm deep x 1800mm high	no	2		
		.03 Work surface as per specifications F.O.				
		.01 1000mm wide worktops	m	14		
		.04 Epoxy powder coated steel office type filling and stationery cabinets				
		.01 900mm wide x 300mm deep x 2200mm high steel shelving	no	3		
		.05 General storage cabinets of 32mm clad work tops with powder coated steel frames and 16mm doors, drawers, side back, etc.				
		.01 1m long with 2 doors	no	2		
		.02 1m long with 6 drawers	no	2		
		.07 Install glass door in chemical waste storage cabinet	no	1		
		.08 50 litre swing lid plastic dustbin	no	1		
.09 Signage as per the schedule attached to SAPS specifications	Sum	-		-		
PD09		.10 38mm diameter rubber door stop to concrete	no	5		
		.11 150 x 100mm Porcelain soap holder to brickwork	no	1		
		.12 Steel security gate of 25 x 25 x 2mm tubular frame and two horizontal rail filled in with 10 x 10mm square bar at 150mm centres and with lock block with 6-lever mortice lock and striker plate	no	3		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
<b>BD06.02.05</b>	<b>208.02</b>	.01 Items measured by area:				
		.01 Ant poison, aldrin emulsifiable concentrates solution to SABS 618 spread at a rate recommended by the manufacturer (optional):				
		.01 In foundation footings	m <sup>2</sup>	10		
		.02 Surface beds	m <sup>2</sup>	10		
		.02 250 micron green medium density polyethylene dampproof sheeting under floors	m <sup>2</sup>	10		
		.03 375 micron black embossed high density polyethylene dampproof sheeting under walls	m <sup>2</sup>	10		
		.04 200 X 200 mm glazed wall tiles to existing plastered and painted walls	m <sup>2</sup>	3		
		.05 200 X 200 mm glazed wall tiles to existing plastered walls at splash back	m <sup>2</sup>	3		
		.06 Grade 1 quality, chemical resistant floor tiles of size 200mm x 200mm as per specification inclusive of preparing existing concrete base to receive tiles	m <sup>2</sup>	30		
		.07 Floor Tiles as existing	m <sup>2</sup>	15		
		.08 Vinyl floor sheeting in patchwork	m <sup>2</sup>	200		
		.09 4mm clear float glass to steel sashes	m <sup>2</sup>	10		
		<b>209.00 ALTERATION WORKS</b>				
		<b>209.01 Walls</b>				
		Alterations and repair to existing structures				
		.01 Break out/hack up/demolish and carefully remove				
		.01 115mm brick wall	m <sup>2</sup>	10		
		.02 230mm brick wall	m <sup>2</sup>	10		
		.03 Door Frame	no	2		
		.04 Sections of concrete surface beds (up to 200mm thick)	m <sup>2</sup>	10		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no 11: BUILDING SERVICES

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
		.05 Vinyl floor tiles of size 300mm x 300mm	m <sup>2</sup>	217.5		
		.06 Wall Tiles	m <sup>2</sup>	10		
		.07 Floor Tiles	m <sup>2</sup>	35		
		.08 Security Door size 813 x 2032 mm high (7.2.4 Doors) complete with lock	no	1		
	209.02	.01 Disconnect and remove and hand over to representative on written notice				
		.01 Storage cabinets	no	2		
		.02 Work tops	no	10		
		.04 Forensic laboratory equipment	no	5		
		.05 Chemical storage cabinets with content	no	1		
	209.03	.01 Fire Fighting Equipment:				
		.01 Service, clean and repair fire hose reel with 30m hose	no	1		
		.02 Service, recharge, clean and repair fire extinguishers				
		.01 4.5Kg DCP fire extinguisher	no	3		
		.02 9Kg dry power fire extinguisher	no	2		
		.03 Service and repair wooden fire fighting cabinet and provide secure locking mechanism and see-through key box.	no	1		
<b>TOTAL SCHEDULE 11 - CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						



## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE NO. 21/1/2(47)



public works  
& infrastructure  
Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**

INSTALLATION: THOHOYANDOU

## SCHEDULE no. 12: ELECTRICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
AB.02	<b>300.00</b>	<b>ELECTRICAL INSTALLATION</b>				
AB.02	<b>301.00</b>	<b>DISTRIBUTION BOARD FITTING</b> Fittings in distribution board, including connections and cradles, etc. Fittings to match equipment in board				
		.01 60A (5kA) 3-pole mccb	no	1		
AB.02	<b>302.00</b>	<b>DISTRIBUTION BOARDS</b>				
		.01 Built in distribution boards with frames, sub-frames, cradles lockable doors, internal wiring, spare position, etc				
		0.1 Sheet metalwork	no	1		
		.02 10A 1-pole mccb (2,5kA)	no	1		
		.03 20A 1-pole mccb (2,5kA)	no	1		
		.04 20A 3-pole mccb (2,5kA)	no	1		
		.05 40A 2-pole single phase earth leakage	no	1		
		.06 15A - CB (6KA)	no	1		
		.07 20A - CB (6KA)	no	1		
		.08 Lightning and surge protector. Single phase	no	1		
AB.02	<b>303.00</b>	<b>LOW VOLTAGE CABLE INSTALLATIONS</b>				
		.01 PVC/PVC/SWA/PVC Copper core cables				
		.01 4mm x 4-core cable surface	m	5		
		.02 6mm x 4-core cable surface	m	5		
AB.02		.02 Cable terminations, including lugs, shrouds, etc.				
		.01 4mm x 4-core cable surface	no	5		
		.02 6mm x 4-core cable surface	no	5		
		.03 Terminate bare copper earth conductor				
		.01 4mm 1ph	no	1		
		.02 6mm	no	1		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no. 12: ELECTRICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
AB.02	<b>304.00</b>	<b>LIGHTING INSTALLATIONS</b>				
		.01 Luminaries				
		.01 Vapour proof sealed unit - 1,5m double tub fitting	no	56		
		.02 Vapour proof sealed unit - bulkhead fitting 2 x PL9	no	2		
AB.02		.02 Light switches, etc.				
		.01 16A single lever one way vapour proof switch	no	12		
		.03 Light Bulbs				
		.01 Fluorescent lights	no	112		
AB.02	<b>305.00</b>	<b>SMALL POWER INSTALLATIONS</b>				
		.01 Power outlets, etc.				
		.01 16A single vapour proof socket outlets	no	5		
		.02 16A single vapour dedicated socket outlet	no	3		
		.03 40A vapour proof single phase isolators	no	3		
		.04 Connection to equipment with galvanised sprague and relevant wiring not exceeding 1,5m long, e.g. geyser	no	1		
AB.02	<b>306.00</b>	<b>WIRING INSTALLATIONS</b>				
		.01 PVC insulated copper wiring into conduits, trunking, etc.				
		.01 2,5mm	m	5		
		.02 4mm	m	5		
		.03 1.5mm	m	5		
		.02 Bare copper earth wiring into conduits, trunking, etc.				
		.01 2,5mm	m	5		
		.02 4mm	m	5		
		.03 1.5mm	m	5		
AB.02		.03 ners cable (Twin+E)				
		.01 2,5mm	m	5		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no. 12: ELECTRICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
<b>AB.02</b>	<b>307.00</b>	<b>WIRE WAYS, CONDUITS AND ACCESSORIES</b>				
		.01 PVC conduit including bends, accessories, etc.				
		.01 20mm	m	10		
		.02 Galvanised steel conduits, including bends, accessories, etc.				
		.01 20mm	m	65		
		.03 Pratlley boxes				
		.01 127mm diameter - 3way outside	no	1		
		.04 Draw and outlets boxes, etc.				
		.01 50 x 100mm Galvanises steel	no	2		
		.02 100 x 100mm Galvanises steel	no	2		
	.03 50 x 100mm Galvanises steel with blank cover	no	2			
	.04 60mm round outlet box with cover	no	2			
	.05 Provide Certificate of Compliance for all Distribution Boards	no	2			
	<b>308.00</b>	<b>DISCONNECT AND REMOVE</b>				
		.01 Light fitting	no	56		
		.02 Wiring in conduits	m	65		
		.03 Outlet boxes	no	5		
	<b>309.00</b>	<b>SMOKE ALARM CONTROL PANEL</b>				
		.01 Smoke Alarm	no	1		
		.02 Smoke Detector	no	6		
<b>310.00</b>	Supply and install SABS approved unit: 3KVA UPS minimum 1-2 hours backup as per Engineers approval..	no	1			
<b>TOTAL SCHEDULE 12: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE NO. 21/1/2(47)

public works  
& infrastructureDepartment:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICASOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services

INSTALLATION: THOHOYANDOU

## SCHEDULE no. 13: MECHANICAL INSTALLATION

## REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>400.00</b>	<b>MECHANICAL INSTALLATION</b>				
		NEW WORK				
FO 14.03	<b>401.00</b>	<b>AIR CONDITIONING INSTALLATION</b>				
	401.01	.01 Split unit type to maintain temperatures of 16°C to 24°C Wall mounted, complete with heat pumps, cooling systems, pipework, controls, unistrut brackets etc:				
		.01 12000 BTU unit	no	8		
	401.02	SERVICE / REPAIR WORK				
		.01 Service existing split re-circulation type air-con unit complete	no	4		
		.02 Remove existing air conditioner units and hand over to relative SAPS authority	no	8		
FO 14.03	<b>402.00</b>	<b>FRESH AIR VENTILATION</b>				
	402.01	SERVICE / REPAIR WORK				
		.01 Service existing Fresh Air Supply system complete and replace filters	no	1		
FO 14.03	<b>403.00</b>	<b>EXTRACTION SYSTEM</b>				
		.01 Central extraction fan with spark proof, acid and water resistant external direct drive induction motor capable of extracting between 12-15 air-charges per hour and shall be capable of 24hour operation with on/off switching within room and installed with anti vibration mountings to brick walls for Vehicle Inspection Booth as per Specification FO 03.03.04				
		.01 Digital Lab	no	2		
		.02 Dedicated extraction fan for Cyanoacrylate Chemical Fuming Chamber, Powder down-flow bench, Chemical Fume Cabinet & etching extraction system delivering 1,5m/s face velocity 220V 0,3kW motor 1400rpm, 1000m <sup>3</sup> /hr air at 370Pa as per specification FO 03.03	no	1		
	403.01	SERVICE / REPAIR WORK				
		.01 Service existing extraction system complete and replace filters	no	1		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no. 13: MECHANICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO 14.03	<b>404.00</b>	<b>GRILLS, LOUVERS, ETC.</b>				
		.01 Natural anodised aluminium grills				
	<b>404.00</b>	.01 700 x 700mm to 200 diameter adjustable outlet louvre grill controlled by fresh air ventilation fan as FO 03.05.02	no	1		
		.02 700 x 700mm air intake diffusers for delivering cold air mounted in ceiling as FO 03.05.02	no	1		
FO 14.03	<b>405.00</b>	<b>DUCTING AND ACCESSORIES</b>				
		.01 uPVC ducting, including fixing brackets, hangers, etc. surface mounted to wall and ceiling (min of Class 4 uPVC) as per FO 03.03.02				
		.01 1000mm x 200mm diameter	m	5		
		.02 uPVC ducting accessories, propose made up and including all connections to ducting, etc. (min. of Class 4 uPVC) as per FO 03.03.02				
		.01 200mm 90° bend	no	1		
		.02 200mm connection collar to equipment	no	1		
		.03 200mm T-piece	no	1		
		.04 200mm Weather cowl	no	1		
		.05 Sound Attenuator	no	1		
		.03 Dampers, etc.				
		.01 200mm (min. Class 4 uPVC) as per FO 03.03.02	no	1		
		.04 Fully flexible connection for uPVC ducting				
		.01 200mm diameter	no	1		
		.02 Interior quality acrylic emulsion paint with smooth sheen finish				
		.01 uPVC ducting	m <sup>2</sup>	30		
		.03 Aluminium bitumen based paint				
		.01 uPVC ducting	m <sup>2</sup>	30		
<b>Carried Forward</b>						

INSTALLATION: THOHOYANDOU

## SCHEDULE no. 13: MECHANICAL INSTALLATION

REPAIR WORK

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>Brought Forward</b>						
FO 14.03	406.00	<b>SPECIALISED EQUIPMENT</b>				
		<b>note:</b> All equipment supplied must confirm to technical specification (Section FO.03). Submit all relevant information before ordering of all fittings				
		<b>Supply and install as per specifications:</b>				
		.01 White epoxy coated refrigerator with 59L capacity size 600 x 600 x 1000mm high overall as FO 03.04.04	no	1		
		.02 Single column shower emergency shower and eye wash combination, 900 x 900mm wide x 2300mm high overall with stainless steel eye wash attachment and fittings, connected to water supply as per specification FO 03.07.01 (f)	no	1		
		.03 Paper drier size 2000mm x 400mm wide x 250mm deep of 304 Stainless Steel frame with 0.8mm thick code 316 stainless steel cables	no	1		
		.04 Photo-view Fluorescent Light Box of size 1200 x 450 x 300mm	no	1		
		.05 Chemical waste storage cabinet 900mm high x 500mm wide x 750 deep with 2 x 25L portable containers, including connection to fitting, audible alarm and visual "full" indications all as specified as per specification FO 03.07.01 (g)	no	1		
	.06 Biometric Access control Scanner	no	2			
	.07 Access Control Phone Camera	no	2			
	.08 Pyrogen Fire Extinguisher	no	3			
	407.00	<b>ALTERATION WORK.</b>				
		.01 Disconnect and remove all rectangular ducting of various sizes to new forensic area to ceiling	m	50		
		.02 Disconnect and remove all circular ducting of various sizes to duct area to ceiling	m	25		
		.03 Remove inlet vents on ducting	no	5		
<b>TOTAL SCHEDULE 13: CARRIED TO SUMMARY: REFURBISHMENT WORK</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

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public works  
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Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICASOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**SCHEDULE OF QUANTITIES****SCHEDULE no. 14: NELSPRUIT FACILITY****Maintenance**

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>1400.00</b>	<b>FACILITY</b>				
	<b>1401.00</b>	<b>NELSPRUIT LCRC FACILITY</b>				
SA 06.01	.01	Maintenance of completed facility installation.	Points	270		
SA 06.02	.02	Maintenance of facility prior to practical completion	Points	90		
	.03	Payment reduction				
SA 06.04	.01	Payment reduction due to exceeding of maximum allowable down-time during fatal breakdown	Hours	-	2 500.00	rate only
SA 06.05	.02	Payment reduction due to exceeding of maximum allowable down-time during emergency breakdown	Days	-	2 500.00	rate only
SA 06.06	.03	Payment reduction due to exceeding of maximum allowable down-time during ordinary breakdown	Days	-	500.00	rate only
SA 06.07	.04	Payment reduction due to exceeding of maximum allowable down-time during operational damage breakdown	Days	-	500.00	rate only
<b>TOTAL SCHEDULE 14: NELSPRUIT FACILITY</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

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public works  
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Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICASOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**SCHEDULE OF QUANTITIES****SCHEDULE no. 15: LEBOWAKGOMO FACILITY****Maintenance**

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>1500.00</b>	<b>FACILITY</b>				
	<b>1501.00</b>	<b>LEBOWAKGOMO LCRC FACILITY</b>				
SA 06.01		.01 Maintenance of completed facility installation.	Points	270		
SA 06.02		.02 Maintenance of facility prior to practical completion	Points	90		
		.03 Payment reduction				
SA 06.04		.01 Payment reduction due to exceeding of maximum allowable down-time during fatal breakdown	Hours	-	2 500.00	rate only
SA 06.05		.02 Payment reduction due to exceeding of maximum allowable down-time during emergency breakdown	Days	-	2 500.00	rate only
SA 06.06		.03 Payment reduction due to exceeding of maximum allowable down-time during ordinary breakdown	Days	-	500.00	rate only
SA 06.07		.04 Payment reduction due to exceeding of maximum allowable down-time during operational damage breakdown	Days	-	500.00	rate only
<b>TOTAL SCHEDULE 15: LEBOWAKGOMO FACILITY</b>						



## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

REFERENCE no: 21/1/2(47)



public works  
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Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**

**SCHEDULE OF QUANTITIES : PART B****SCHEDULE no. 16: ACORNHOEK FACILITY****Maintenance**

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SA	<b>1600.00</b>	<b>MAINTENANCE: ACORNHOEK LCRC FACILITY</b>				
	<b>1601.00</b>	<b>FACILITY</b>				
SA 06.01	.01	Maintenance of completed facility	Points	270		
SA 06.02	.02	Maintenance of facility prior to practical completion	Points	90		
	.03	Payment reduction				
SA 06.04	.01	Payment reduction due to exceeding of maximum allowable down-time during fatal breakdown	Hours	-	2 500.00	rate only
SA 06.05	.02	Payment reduction due to exceeding of maximum allowable down-time during emergency breakdown	Days	-	2 500.00	rate only
SA 06.06	.03	Payment reduction due to exceeding of maximum allowable down-time during ordinary breakdown	Days	-	500.00	rate only
SA 06.07	.04	Payment reduction due to exceeding of maximum allowable down-time during operational damage breakdown	Days	-	500.00	rate only
<b>TOTAL SCHEDULE 16: ACORNHOEK FACILITY</b>						

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**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**

**SCHEDULE OF QUANTITIES : PART B: MAINTENANCE WORK****SCHEDULE no. 17: THOHOYANDOU FACILITY****Maintenance**

PAYMENT ITEM	ITEM no	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SA	<b>1700.00</b>	<b>MAINTENANCE: THOHOYANDOU FACILITY</b>				
	<b>1701.00</b>	<b>FACILITY</b>				
SA 06.01	.01	Maintenance of completed facility	Points	270		
SA 06.02	.02	Maintenance of facility prior to practical completion	Points	90		
	.03	Payment reduction				
SA 06.04	.01	Payment reduction due to exceeding of maximum allowable down-time during fatal breakdown	Hours	-	2 500.00	rate only
SA 06.05	.02	Payment reduction due to exceeding of maximum allowable down-time during emergency breakdown	Days	-	2 500.00	rate only
SA 06.06	.03	Payment reduction due to exceeding of maximum allowable down-time during ordinary breakdown	Days	-	500.00	rate only
SA 06.07	.04	Payment reduction due to exceeding of maximum allowable down-time during operational damage breakdown	Days	-	500.00	rate only
<b>TOTAL SCHEDULE 16: THOHOYANDOU FACILITY</b>						

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

WCS 043896

public works  
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Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

REFERENCE no: 27/1/2(47)

SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**SUMMARY OF SCHEDULE OF QUANTITIES: REFURBISHMENT WORK**

SCHEDULE no 1:	PRELIMINARY AND GENERAL	R .....
	<b>Nelspruit:</b>	
SCHEDULE no 2:	BUILDING SERVICES	R .....
SCHEDULE no 3:	ELECTRICAL INSTALLATION	R .....
SCHEDULE no 4:	MECHANICAL INSTALLATION	R .....
	<b>Lebowakgomo</b>	
SCHEDULE no 5:	BUILDING SERVICES	R .....
SCHEDULE no 6:	ELECTRICAL INSTALLATION	R .....
SCHEDULE no 7:	MECHANICAL INSTALLATION	R .....
	<b>Acornhoek</b>	
SCHEDULE no 8:	BUILDING SERVICES	R .....
SCHEDULE no 9:	ELECTRICAL INSTALLATION	R .....
SCHEDULE no 10:	MECHANICAL INSTALLATION	R .....
	<b>Thohoyandou</b>	
SCHEDULE no 11:	BUILDING SERVICES	R .....
SCHEDULE no 12:	ELECTRICAL INSTALLATION	R .....
SCHEDULE no 13:	MECHANICAL INSTALLATION	R .....
<b>TOTAL OF SCHEDULE OF QUANTITIES - REFURBISHMENT WORK CARRIED TO CALCULATION OF TENDER SUM</b>		<b>R .....</b>

## DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

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**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**

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REPUBLIC OF SOUTH AFRICA
**SUMMARY OF SCHEDULE OF QUANTITIES: MAINTENANCE WORK**

	<b>GENERAL MAINTENANCE: NELSPRUIT</b>	
SCHEDULE no 14:	BUILDING, ELECTRICAL AND MECHANICAL	R .....
	<b>GENERAL MAINTENANCE: LEBOWAKGOMO</b>	
SCHEDULE no 15:	BUILDING, ELECTRICAL AND MECHANICAL	R .....
	<b>GENERAL MAINTENANCE: ACORNHOEK</b>	
SCHEDULE no 16:	BUILDING, ELECTRICAL AND MECHANICAL	R .....
	<b>GENERAL MAINTENANCE: THOHOYANDOU</b>	
SCHEDULE no 17:	BUILDING, ELECTRICAL AND MECHANICAL	R .....
<hr/>		
	<b>TOTAL OF SCHEDULE OF QUANTITIES - MAINTENANCE WORK CARRIED TO CALCULATION OF TENDER SUM</b>	<b>R .....</b>
<hr/>		

**DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE**

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**SOUTH AFRICAN POLICE SERVICES: LOCAL CRIMINAL RECORD CENTRES:  
Refurbishment and Repair of Building Services**



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**CALCULATION OF TENDER SUM**

TOTAL: REFURBISHMENT WORK ..... R \_\_\_\_\_

TOTAL: MAINTENANCE WORK ..... R \_\_\_\_\_

**TOTAL OF SCHEDULES OF QUANTITIES ..... R \_\_\_\_\_**

VALUE-ADDED TAX (VAT)

The Tenderer shall add 15% of the Total of Schedule of Quantities above

for Value-Added Tax ..... R \_\_\_\_\_

**TENDER SUM CARRIED TO THE TENDER FORM ..... R \_\_\_\_\_**

SIGNED ON BEHALF OF TENDERER : .....

SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK,  
LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES:  
REPAIR AND UPGRADING



public works  
& infrastructure

Department:  
Public Works and Infrastructure  
**REPUBLIC OF SOUTH AFRICA**

## ***PART C3: SCOPE OF WORK***

## PG-01.1 (EC) SCOPE OF WORKS – (GCC (2010) 2<sup>nd</sup> EDITION: 2010)

<b>Project title:</b>	36-Month Repair and Refurbishment Programme: South African Police Service: Various Centres: Mpumalanga Acornhoek, Lebowakgomo, Nelspruit & Thohoyandou: Local Criminal Record Centres: Repair and Upgrading for A Period Of 36 Months.		
<b>Tender no:</b>	<b>H22/037AI</b>	<b>Reference no:</b>	21/1/2(47)

### C3. Scope of Works

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- PS 3 DETAILS OF CONTRACT
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- AA Plumbing and drainage Installations
- AB Building electrical installations
- BA Roof coverings
- BB Carpentry joinery for roofs and ceilings
- BC Waterproofing of concrete roofs
- BD Walls
- BE Floors
- BF Structural Concrete
- BH Fittings
- BJ Paintwork
- CB Stormwater drainage
- CE Water distribution networks

FC	Hot Water Generation
FD	Heating ventilation and air-conditioning systems
FF	Kitchen equipment installations
FG	General Refrigeration
FO	Local Criminal Record Centres
HE	Exterior lighting installations
JC	Conventional fire-fighting equipment

### C3.3 PARTICULAR SPECIFICATIONS

#### List particular specifications

PAA	Plumbing and Drainage Installations
PJC	Conventional Fire Fighting Equipment

### C3.4 STANDARD SPECIFICATIONS:

SA	General Maintenance
SB	Operating and Maintenance Manuals
SC	General Decommissioning, Testing and Commissioning Procedures
SD	General Training
SH	HIV / AIDS Requirements
SI	Occupational Health and Safety
SJ	Covid-19 Guidelines For Management Of Risk On Construction Sites

The standard specifications on which this contract is based are the **South African Bureau of Standards Standardized Specifications for Civil Engineering Construction SABS 1200**. (Note to compiler. "SABS" has been changed to "SANS"; the SABS 1200 specifications are due to be replaced in the foreseeable future by SANS 2100)

Although not bound in nor issued with this Document, the following Sections of the Standardized Specifications of SABS 1200 shall form part of this Contract:

- A - 1986 - GENERAL / D – (etc, to be provide by compiler)
- SANS 1200 Standardised Specifications for Civil Engineering Construction\*
- SANS Standard Specifications\*
- PW 371- A & B -Specification of Materials and Methods to be used. Fourth revision, October 1993.\*\*
- Guide for architects concerning drainage, water supply and stormwater drainage\*\*
- PW343- Building specifications for Regional Offices\*\*
- Standard Specification for the Electrical Installations and Equipment pertaining to Mechanical Services\*\*
- Standard Electrical Specifications, January 1984, GPS 24-0367\*\*
- SANS 10400 The application of the National Building Regulations\*
- Department of Public Works - Standard Electrical Specifications\*\*
- Standard Specification for Air Conditioning and Ventilation Installations – Issue XI, 1998.
- Standard Specification for Refrigeration Services – Issue VIII, 1998
- FPO/G61/3E Guide for Architects\*\*
- Department of Water Affairs - Green Drop & Blue Drop Requirements (Version 1.0 - 2010)\*\*\*
- Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under Expanded Public Works Programme\*\*
- \* Not issued with this document, but available at the Contractor's expense from the SA Bureau of Standards, Private Bag X191, PRETORIA, 0001.
- \*\* Not issued with this document but available from the Director General, Department of Public Works, Private Bag X65, PRETORIA 0001, or any office of the Regional Representative of this Department.
- \*\*\* Not issued with this document but available from the Department of Water Affairs ([www.dwa.gov.za](http://www.dwa.gov.za)).



### 3.5 PROJECT SPECIFICATIONS:

#### Status

The Project Specification, consisting of two parts, forms an integral part of the contract and supplements the Standard Specifications.

Part1 A contains a general description of the works, the site and the requirements to be met.

Part B contains variations, amendments and additions to the Standardized Specifications and, if applicable, the Particular Specifications.

In the event of any discrepancy between a part or parts of the Standardised of Particular Specifications and the Project Specification, the Project Specification shall take precedence. In the event of a discrepancy between the specifications, (including the Project Specifications) and the drawings and / or the Bill of Quantities, the discrepancy shall be resolved by the Engineer before the execution of the work under the relevant item.

#### 3.5.1 GENERAL

##### PS-1 PROJECT DESCRIPTION:

Each installation requires work that may include any one or more of the activities as set out in below, i.e. decommissioning, repair, reconditioning, testing, re-commissioning during the Contract period. The consultants and the contractor will compile a set of operating and maintenance manuals. The work also includes compilation/updating of operating and maintenance manuals as well as training of User Department operators and all maintenance personnel.

NOTE: Repair work will be carried out within facilities that are occupied by User Department's personnel and associates.

##### PS 1 GENERAL DESCRIPTION

Each installation requires work that may include any one or more of the activities as set out in below, i.e. decommissioning, repair, reconditioning, testing, re-commissioning during the Contract period. The consultants and the contractor will compile a set of operating and maintenance manuals. The work also includes compilation/updating of operating and maintenance manuals as well as training of User Department operators and all maintenance personnel.

NOTE: Repair work will be carried out within facilities that are occupied by User Department's personnel and associates.

##### PS 2 DESCRIPTION OF SITE AND ACCESS

Descriptions of all sites as per PG-03.1 (EC) SITE INFORMATION

The Contractor will be granted access to all the installations at the date of Site Handover. Access will also be given to completed installations that were kept in a working condition during a previous similar Contract.



These items will be serviced and repaired as per the relevant tendered repair rates. The detail Assessment and Verification report shall provide an overview of problem areas at the beginning of the contract period, just after site handover. This shall include the testing of all equipment (pumps, etc.) as well as all civil, electrical and mechanical services. The detail Assessment and Verification report shall include photos (presented as a photo report) with a description and orientation/location of problem areas. The final detail Assessment and Verification report must be submitted one calendar month after site handover. A penalty of R500 per day shall be imposed for late submission.

Payment for the Assessment and Verification report shall be included in the fixed preliminary and general charges.

The description of the Works given is not necessarily complete and shall not limit the work to be carried out by the Contractor' under this Contract.

### **PS 3.1 CORRECTIVE MAINTENANCE WORK**

#### **REPAIR/ REFURBISHMENT WORK**

SCHEDULE no 1: GENERAL

#### **NELSPRUIT:**

SCHEDULE no 2: BUILDING SERVICES

SCHEDULE no 3: ELECTRICAL INSTALLATION

SCHEDULE no 4: MECHANICAL INSTALLATION

#### **LEBOWAKGOMO**

SCHEDULE no 5: BUILDING SERVICES

SCHEDULE no 6: ELECTRICAL INSTALLATION

SCHEDULE no 7: MECHANICAL INSTALLATION

#### **ACORNHOEK**

SCHEDULE no 8: BUILDING SERVICES

SCHEDULE no 9: ELECTRICAL INSTALLATION

SCHEDULE no 10: MECHANICAL INSTALLATION

#### **THOHOYANDOU**

SCHEDULE no 11: BUILDING SERVICES

SCHEDULE no 12: ELECTRICAL INSTALLATION

SCHEDULE no 13: MECHANICAL INSTALLATION

## **MAINTENANCE WORK**

SCHEDULE no 14: GENERAL MAINTENANCE: NELSPRUIT:  
BUILDING, ELECTRICAL AND MECHANICAL

SCHEDULE no 15: GENERAL MAINTENANCE: LEBOWAKGOMO:  
BUILDING, ELECTRICAL AND MECHANICAL

SCHEDULE no 16: GENERAL MAINTENANCE: ACORNHOEK:  
BUILDING, ELECTRICAL AND MECHANICAL

SCHEDULE no 17: GENERAL MAINTENANCE: THOHOYANDOU:  
BUILDING, ELECTRICAL AND MECHANICAL

The description of the Works given above is not necessarily complete and shall not limit the work to be carried out by the Contractor under this Contract. All work will be performed according to the relevant specifications forming part of this Contract.

Approximate quantities of each type of work are given in the Bill of Quantities.

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### **PS 3.1.1 GENERAL ITEMS**

- Compile and supply a complete site plan of all SAPS Centres Operational area
- Compliance to OHS Act Requirements and Construction Regulations 2014
- It is required of the Contractor to thoroughly study the Additional Specification SH: HIV / AIDS
- Requirements (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the Bill of Quantities. Provision for pricing of HIV/AIDS awareness is made and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced, as the said items represent the only method of measurement and no additional items or extras to the Contract in this regard shall be entertained.
- Preventative Pest Control when instructed.
- Training of EPWP Workers when instructed.

NOTE: A clear distinction will be made between the repair work to be done and the maintenance responsibilities applicable to each installation.

### **PS 3.1.3 OPERATION OF INFRASTRUCTURE FOR THE CONTRACT PERIOD**

The 36-month operation by means of routine maintenance will be as per the SAPS Centre's operational hours, 24 hours a day, Monday to Sunday. Unless otherwise specified.

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### **PS 3.2 ROUTINE MAINTENANCE WORK**

Maintenance of each of the above installations will be the responsibility of the Contractor and will be evaluated on a monthly basis by the Engineer. The remuneration for maintenance work and responsibilities will be certified accordingly.

Details of the required routine- and preventative maintenance are given in the relevant technical specifications and in Additional Specification SA: General Maintenance.

### **PS 4 CONSTRUCTION PROGRAMME**

When drawing up his construction programme, the Contractor shall take into account the time for completion for the repair work of each installation as indicated in Clause 42.1 as amended in Part 1 of the Contract Data.

If the programme submitted by the Contractor in terms of Clause 12 of the General Conditions of Contract, has to be revised because the Contractor is falling behind in his programme, he shall submit a revised programme of how he intends to regain lost time to ensure practical completion of repair work of each installation, and completion of the Works within the periods stipulated Part 1 of the Contract Data or within a granted extension of time and also to ensure that other contractors have access to the site to start their work on the dates as shown in the original programme. Proposals to increase the tempo of work must incorporate positive steps to increase production either by more labour and plant on the Site, or by using the available labour and plant in a more efficient manner.

Instructions by the Engineer to expedite progress shall not be the subject of additional compensation to the Contractor unless the instruction explicitly states that the Contractor is entitled to additional compensation and cites the amount of such compensation or the basis on which it is to be determined.

Failure on the part of the Contractor to submit or to work according to the programme or revised programmes shall be sufficient reason for the Engineer to take steps as set out in Clause 55 of the General Conditions of Contract as amended in Part 1 of the Contract Data.

The approval by the Engineer of a programme shall have no contractual significance other than that the Engineer will be satisfied if the work is carried out according to the programme. The said approval shall not limit the right of the Engineer to instruct the Contractor to vary the programme if necessary. The Contractor is also referred to Clause PS 8 and Clause PS 12 when preparing this programme.

**NOTE:** For reasons of limited access, it may not be possible to carry out the repair work on some of the installations in parallel with repair work on other installations. The repair work of some of the installations shall follow sequentially as indicated in the specifications.

The Contractor shall organise his work in such a manner as to cause the minimum inconvenience to the User Department's personnel and operations.

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**PS 5 SITE FACILITIES AVAILABLE**

**PS 5.1 CAMPSITE AND STORE ROOM**

a. Campsite

A Site Establishment area will be made available after consultation with the user client and will be indicated to the Contractor.

b. Store room

None of the existing service buildings may be used for storage. The Contractor must provide his own storeroom facilities for the duration of the Contract.

The existing and new facilities must comply with the South African National Building Regulations and Standards in all aspects.

**PS 5.2 WATER, ELECTRICITY AND SEWERAGE**

a. Water supply

The Contractor must make his own arrangements for water supply. Water will be available at specific points not necessarily adjacent to working areas. Water will be available free of charge but wastage will not be tolerated. The Contractor must supply his own standard fittings to couple up at the points where water is available.

b. Electrical power supply

Electrical power supply is available on the Site and will be free of charge. The Contractor must make his own arrangements for a connection to the electrical power supply. The Contractor will be responsible, at his own cost, for the distribution of electricity for construction and domestic use.

c. Sewerage connection

Refer to Subclause PSA 4.2 in connection with toilet requirements. Chemical toilets shall be used.

**NOTE:** The Employer shall not be held responsible for any losses or inconvenience due to a disruption in the supply of water and/or electricity.

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### **PS 5.3      PARKING FACILITIES**

Parking facilities to be made available on the Site.

### **PS 6      SITE FACILITIES REQUIRED FOR THE ENGINEER**

#### **PS 6.1      GENERAL**

The Contractor shall provide on the Site, for the duration of the repair phase, if needed during the maintenance phase, and for the exclusive use of the Engineer and/or his Representative (as applicable), the various facilities described hereunder. The duration of the repair phase is stated in Part 1 of the Contract Data. All such facilities shall be provided promptly on the commencement of the Contract and failure on the part of the Contractor to provide any facility required in terms of this specification shall constitute grounds for the Engineer to withhold payment of the Contractor's Preliminary and General items until the facility has been provided or restored, as the case may be.

#### **PS 6.2      OFFICE ACCOMMODATION**

The Contractor shall provide on Site one (1) office for the exclusive use of the Engineer. Such office(s) shall comply with and be furnished in accordance with the requirements of Subclause 3.2 of SABS 1200 AB. The Contractor shall maintain the office(s) in accordance with the requirements of Subclause 5.2 of SABS 1200 AB.

Irrespective the type of material of which an office is constructed, the Contractor shall ensure that the temperature inside the office is always between 20°C and 24°C.

Such office accommodation shall be provided within the Contractor's site establishment facilities.

#### **PS 6.3      CARPORTS**

The Contractor shall provide on Site one (1) carport for the exclusive use of the Engineer, in accordance with requirements of Subclause PSAB 3.3 of the Project Specifications.

#### **PS 6.4      SITE MEETING VENUE**

The Contractor shall provide within its own site establishment facilities (or arrange the use of the User Clients facilities), a suitably furnished office or other venue capable of comfortably accommodating a minimum of six (6) persons at site meetings. The Engineer shall be allowed free use of such venue for conducting any other meetings concerning the Contract at all reasonable times.



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**PS 6.5 SURVEY EQUIPMENT AND ASSISTANTS**

- a. Survey equipment  
No survey equipment is required

**PS 6.6 TELEPHONE FACILITIES**

The Contractor shall, in accordance with the requirements of Subclause PSAB 4.1 of the Project Specifications, provide on-site, the following telephone facilities for the use of the Engineer and his Representative:

- a. Cellular telephones
- Number of cellular telephones required for a period of 36 months: one (1).
  - The average call cost at business rates (over the 36-month contract period) shall not exceed R3500,00 per month.

**PS 6.7 COMPUTER FACILITIES**

The Contractor shall provide computer facilities together with the specified software installed, for the exclusive use of the Engineer and his staff, in accordance with the requirements of SANS 1200 AB (as amended).

**PS 6.8 ELECTRICITY SUPPLY FOR THE ENGINEER**

All electricity supply to the Engineer's office, whether provided by the Contractor by way of a reticulated supply from a local authority or by way of on-site generators, shall be regulated by the Contractor to within limits such as to prevent damage occurring to any electrical plant and equipment provided by the Contractor or by the Engineer, as a result of fluctuations in the electrical current supplied.

**PS 6.9 HOUSING FOR ENGINEER'S REPRESENTATIVE**

The Engineer will provide housing for the Engineer's representative. The housing and the relevant services and local authority rates and charges shall be paid for by the Contractor on the written instruction of the Engineer, from an amount included in Section 1200 A of the Bill of Quantities for this purpose.

The Contractor is entitled to a percentage of the value of each payment to the Engineer to cover his expenses in this regard. (See payment item PSA 8.6)

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## **PS 7 FEATURES REQUIRING SPECIAL ATTENTION**

### **PS 7.1 INSTALLATIONS AT FACILITIES**

The installations at all facilities shall be carefully checked for damage and all damages shall be listed and discussed with the Engineer before commencement of repair and maintenance work. The Contractor shall present copies of all correspondence in this regard for discussion at the following site meeting.

### **PS 7.2 SECURITY**

- a. Restrictions on movement and limited access  
The Contractor's personnel, vehicles and equipment will be restricted to areas of construction only. The Contractor shall comply with any requirements that the Engineer may have in this regard and shall take note that for security reasons the access to some areas, may be limited.
- b. Prohibition on taking of photographs  
The Contractor's attention is drawn to the Defence Act, 1957 (Act No 44 of 1957) and the Correctional Services Act, 1998 (Act No 111 of 1998) which clearly state that the taking of photographs is prohibited and that even the possession of a camera on Site is an offence. Permission to take photographs of damaged equipment may be arranged by the Engineer.
- c. Security check on personnel  
The Employer may require the Contractor to have his personnel or a certain number of them security-classified, if so required by any competent authority.

In the event of the Employer or any competent authority requiring the removal of a person or persons from the site for security reasons, the Contractor shall do so forthwith and the Contractor shall thereafter ensure that such person or persons are denied access to the site and/or to any documents or information relating to the work. In such circumstances the Contractor shall indemnify the Employer and the Engineer and shall hold the Employer and the Engineer harmless against any and all claims of whatever nature arising.

- d. Access cards to security areas  
The Contractor shall supply access cards (laminated cards containing colour photograph, name, surname, ID number etc.) for his security-cleared personnel and employees who work within such an area. The Contractor must comply with any regulations or instructions issued from time to time, concerning the safety of persons and property, by the Department of Public Works or SA Police services.

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**PS 7.3 SITE TO BE KEPT CLEAN**

During progress of the work and upon completion thereof, the Site of the Works shall be kept and left in a clean and orderly condition. The Contractor shall store materials and equipment for which he is responsible in an orderly manner, and shall keep the Site free from debris and obstructions.

All redundant materials, rubbish and waste arising from the work must be removed from the Site at the Contractor's cost and the site and buildings left clean and tidy.

**PS 7.4 FACILITIES TO OTHER CONTRACTORS**

In addition to the requirements of Clause 18 of the General Conditions of Contract the Contractor must make allowances for other Contractors on the Site. This may involve adapting his programme to accommodate the work of other contractors and ensuring access to their sites along prescribed routes over the Site of this Contract.

**PS 7.5 SUBCONTRACTORS**

In addition to the requirements of Clause 6 of the General Conditions of Contract as amended in Part 1 of the Contract Data, the Contractor shall be responsible for work carried out by subcontractors on his behalf. The Engineer will not liaise directly with such subcontractors. Problems related to payments, programming, workmanship, etc., shall be the responsibility of the Contractor and the subcontractor, and the Engineer will not become involved.

**PS 7.6 SANS SPECIFICATIONS AND CODES OF PRACTICE**

All reference in this document to South African National Standards specifications and codes of practice, or any other standard specifications or codes of practice, including National Building Regulations, shall be deemed to be references to the latest issues of such specifications and codes.

**PS 7.7 MATERIALS**

The monthly payment for materials brought onto the Site will only be applicable for repair work and not for maintenance work.

Unless otherwise instructed in writing by the Engineer, all proprietary materials are to be used, mixed, applied, fixed, etc., strictly in accordance with the manufacturer's recommendations.

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### **PS 7.8 BORROW PITS**

There will be no designated borrow pits. The Contractor shall utilise the material on Site or import material from commercial sources.

### **PS 7.9 PROTECTION OF FURNITURE AND EQUIPMENT**

Most of the work to be done inside buildings will be carried out in places where there is furniture and other equipment.

The Contractor shall be responsible for moving the furniture and equipment in order to provide working space for his personnel. The programme shall be drawn up in such a way as to keep the movement of furniture and equipment to the very minimum and the Contractor shall be solely responsible for any damage to furniture or equipment.

### **PS 7.10 TESTING AND QUALITY CONTROL**

The Contractor shall engage the services of an approved independent laboratory or other institution as applicable for quality testing, to ensure that his work complies with the Specifications.

No separate payment will be made for such testing, the cost of which will be deemed to be included in the Contractor's rates bid for the items of work that require testing in accordance with the Specifications.

The onus to produce work that conforms in quality and accuracy of detail to the requirements of the Specifications and Drawings rests with the Contractor, and the Contractor shall, at his own expense, institute a quality-control system and provide experienced engineers, foremen, surveyors, materials technicians, other technicians and technical staff, together with all transport, instruments and equipment to ensure adequate supervision and positive control of the Works at all times.

The cost of supervision and process control, including testing carried out by the Contractor, will be deemed to be included in the rates bid for the related items of work.

The Contractor's attention is drawn to the provisions of the various Specifications regarding the minimum frequency of testing required. The Contractor shall, at his own discretion, increase this frequency where necessary to ensure adequate control.

On completion and submission of every part of the work to the Engineer for examination, the Contractor shall furnish the Engineer with the results of the relevant tests to indicate compliance with the Specifications.

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## **PS 8 CERTIFICATES OF PAYMENT**

The statement to be submitted by the Contractor in terms of Clause 49 of the General Conditions of Contract shall be prepared in accordance with the standard payment certificate prescribed by the Engineer and shall comprise at least two sets of A4-size paper copies.

All costs for the preparation and submission of the statements shall be borne by the Contractor.

## **PS 9 CONSTRUCTION IN RESTRICTED AREAS**

Working space in certain areas may be restricted. The construction method used in these restricted areas largely depends on the Contractor's Plant. However, the Contractor must note that measurement and payment will be according to the specified cross-sections and dimensions irrespective of the method used, and that the rates and prices submitted will be deemed to include full compensation for difficulties encountered while working in restricted areas. Neither extra payment nor any claim for payment due to these difficulties will be considered.

## **PS 10 DRAWINGS**

The Contractor will, in terms of Clause 13 of the General Condition of Contract, be provided free of charge with three paper prints of each drawing issued to him.

All information in the possession of the Contractor that is required by the Engineer's representative to complete the as-built drawings must be submitted to the Engineer's representative before a Certificate of Completion will be issued.

Only figured dimensions shall be used and drawings shall not be scaled unless required by the Engineer. The Engineer will provide the dimensions that may have been omitted from the Drawings.

## **PS 11 LEGISLATION**

a. Changes in legislation

Reference in the General Conditions of Contract and in any other standard document forming part of this Contract to legislation which has been amended or superseded by other legislation since the most recent publication of such standard document, shall be deemed to be a reference to the amended or replacement legislation.

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Such amended or replaced legislation shall be applicable during the Contract Period provided the amendment or replacement occurred more than 28 days before the closing date for bids in terms of Clause 46.4 of the General Conditions of Contract as amended in Part 1 of the Contract Data.

b. The Occupational Health and Safety Act

The Contractor shall be required to comply with the Occupational Health and Safety Act, 1993: Construction Regulations, 2003 as promulgated in Government Gazette No 25207 and Regulation Gazette No 7721 of 18 July 2003. Non-compliance with these regulations, in any way whatsoever, will be adequate reason for suspending the Works.

The proposed type of work, materials to be used and hazards likely to be encountered on this Contract are detailed in the Scope of Work, Pricing Data and Drawings. The Employers' health and safety specifications (subclause 4(1)) of the regulations will be issued separately.

The Contractor shall in terms of subclause 5(1) provide a comprehensive health and safety plan detailing his proposed compliance with the regulations, for approval by the Employer.

The Contractor shall at all times be responsible for full compliance with the approved plan as well as the Construction Regulations and no extension of time will be considered for delays due to non-compliance with the abovementioned plan or regulations.

A payment item is included in the Bill of Quantities to cover the Contractor's cost for compliance with the OHS Act and the abovementioned Construction Regulations 2003.

**PS 12 INSURANCE AMOUNTS**

The amounts for which the Contractor must insure the Works in terms of Clause 35 of Part 1 of the Contract Data are stated in the Agreement.

**PS 13 TIMES FOR COMPLETION**

Times for completion of repair work to installations as well as the maintenance down-time for different types of breakdowns are given under Clause 42.1 of Part 1 of the Contract Data. The time for completion will start on the date of access to an installation.

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**PS 14 PRACTICAL COMPLETION**

- a. The Contractor shall be entitled in terms of Clause 51.1 of the General Conditions of Contract to receive a Certificate of Practical Completion when the Works to be executed under the Contract have been completed to the stage where:
  - all materials which are required to be replaced have been replaced and installed to the satisfaction of the Engineer; and
  - all repair works have been completed.
- b. The Engineer shall issue to the Contractor and the Employer a Certificate of Completion in terms of Clause 51.4 of the General Conditions of Contract except where a thirty-day commissioning period, as stated in paragraph (c) below, is applicable.
- c. Where indicated at the end of this paragraph, the issuing of a Certificate of Practical Completion for a certain installation will be followed by a thirty-day commissioning period. The tasks of the Contractor during the thirty-day commissioning period are described in Additional specification SC: General Decommissioning, Testing and Commissioning Procedures. After the completion of the thirty-day commissioning period to the satisfaction of the Engineer, a certificate of completion will be issued to the Contractor as described in Clause 51.4 of the General Conditions of Contract.

**PS 15 PENALTIES**

Penalties in terms of Clause 43.1 of the General Conditions of Contract for late completion of repair work to different installations are given under Clause 43.1 of Part 1 of the Contract Data. Payment reductions for exceeding the maintenance down-time for different types of breakdowns are given under the applicable pay items in the Bill of Quantities for Additional specifications SA: General Maintenance. Penalties will run concurrently where applicable.

- a. Penalty for failing to meet undertakings and/or conditions pertaining to Targeted Procurement for the award of points

If the bid adjudication points awarded to the Contractor are found to be based on incorrect or false information or the conditions pertaining to the award of points are not met and the Contractor fails to substantiate that such failure is due to a reason acceptable to the Employer (as being) beyond the Contractor's control, the Contractor shall be liable for and pay to the Employer, an amount determined in accordance with clause 2 and subject to clause 1 both of the Works Information, Part 2 of the Conditions of Bid.

b. Payment reduction for non-performance

If the Contractor shall fail to rectify a fatal breakdown, an emergency maintenance breakdown, an ordinary maintenance breakdown and damage breakdown within the time as stipulated in Additional Specifications SA: General Maintenance, the Contractor shall be liable to the Employer for the sum/sums stated in the Bill of Quantities for Additional Specification SA as a payment reduction for every hour/day down-time counting from the hour/day the breakdown was reported to the Contractor until the day it was repaired. These payment reductions will be cumulative and will run concurrently.

Where indicated above that the money will be recovered from the Contractor by means of payment reductions, the fixed negative amounts in the rate column of the Bill of Quantities will be used to reduce payments due to the Contractor.

The imposition of such payment reductions shall not relieve the Contractor from his obligation to complete the Works or from any of his obligations and liabilities under the Contract.

c. Application of penalties to be accumulative

The imposition of all penalties in terms of this clause shall be accumulative and shall not relieve the Contractor from his obligation to complete the Works or from any of his obligations and liabilities under the Contract.

**PS 16 NON-WORKING DAYS AND HOURS**

Whenever any special non-working days stated in Clause 1.6 and Clause 38 of Part 1 of the Contract Data fall within the days allowed or stipulated in the Contract in terms of Clause 1.6 of Part 1 of the Contract Data, such special non-working days shall also be excluded from the calculation of the number of working days concerned.

The Contractor shall not work on any statutory public holidays or on any public holidays declared by the Government to be statutory non-working days, except for work related to repair fatal and emergency breakdowns which influences the functionality of any of the installations.

Working hours might be limited and the Contractor shall work in close cooperation with the User Department and Engineer in this regard. Working hours for the different installations are indicated at the end of this clause where applicable.

The Engineer shall be entitled at any time during the Contract, to vary the normal working hours specified in the Bid documents, including increasing or decreasing the total number of hours per day during which the Contractor may execute the Works or specific portions thereof.

If any variation by the Engineer of the normal working hours specified in the Bid Documents should result in an increase or a decrease in the total number of hours per week during which the Contractor is permitted to execute the Works or any particular portions of Works, then the time allowed in the Contract for the completion of the respective part of the Works to which the varied normal working hours apply shall be adjusted proportionately in relation to:

- a. the remaining time allowed for completion of the specific part or parts of the Works; and
- b. the extent of the variation in the total normal working hours per week.



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### **3.5.2 AMENDMENTS TO THE STANDARD AND PARTICULAR SPECIFICATION:**

**Insert amendments**

### **C3.5.3 PARTICULAR SPECIFICATIONS:**

#### **PSA 1 SCOPE**

**REPLACE SUBCLAUSE 1.1 WITH THE FOLLOWING:**

"1.1 This specification covers requirements, principles and responsibilities of a general nature that are normally applicable to all Civil Engineering Contracts, as well as the requirements for the Contractor's establishment on the Site."

#### **PSA 2 INTERPRETATIONS**

#### **PSA 2.3 DEFINITIONS**

(a) General

**ADD THE FOLLOWING DEFINITIONS:**

"General conditions: The General Conditions of Contract specified for use with this Contract, and the Contract Data.

Specified: As specified in the standardised and standard specifications, the Drawings or the Scope of Work.

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Permanent Works: as defined in Clause 1.1.17 of the General Conditions of Contract shall for the purpose of this Contract, be regarded as the repair work and maintenance work as defined in Subclause SA 02.06 of Additional Specification SA: General Maintenance.”

- (c) Measurement and payment

REPLACE THE DEFINITIONS FOR "fixed charge", "time-related charge" AND "value-related charge" WITH THE FOLLOWING:

"Fixed charge: A charge that is not subject to adjustment on account of variation in the value of the Contract price or the Contract Time of Completion.

Time-related charge: A charge, the amount of which varies in accordance with the Time for Completion of the repair work, adjusted in accordance with the provisions of the Contract.

Value-related charge: A charge, the amount of which varies pro rata with the final value of the measured repair work executed and valued in accordance with the provisions of the Contract."

### **PSA 2.4 ABBREVIATIONS**

- (a) Abbreviations relating to standard documents

ADD THE FOLLOWING ABBREVIATION:

"CKS: SABS Co-ordinating Specification."

### **PSA 3 MATERIALS**

#### **PSA 3.1 QUALITY**

ADD THE FOLLOWING:

"All manufactured materials supplied shall be new materials unless the contrary is specified. All materials specified in accordance with SABS Specifications shall bear the SABS mark, whether so specified or not."

ADD THE FOLLOWING SUBCLAUSE:

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**"PSA 3.3 ORDERING OF MATERIALS**

The quantities set out in the Bill of Quantities have been carefully determined from calculations based on data available at the time and should therefore be considered to be approximate quantities only. Before ordering materials of any kind the Contractor shall check with the Engineer whether or not the scope of the work for which the materials are required is likely to change substantially. No liability or responsibility whatsoever shall be attached to the Employer for materials ordered by the Contractor except when ordered in accordance with written confirmation issued by the Engineer."

**PSA 4 PLANT**

**PSA 4.2 CONTRACTOR'S OFFICES, STORES AND SERVICES**

ADD THE FOLLOWING PARAGRAPH BEFORE THE FIRST PARAGRAPH:

"The Contractor's construction camp shall be fenced off and shall contain all offices, stores, workshops, testing laboratories, toilet facilities, etc. The camp shall always be kept in a neat and orderly condition.

No personnel may reside on the Site. Only one night-watchman may be on the Site after hours."

ADD THE FOLLOWING TO THE SECOND PARAGRAPH:

"One chemical toilet per 10 workmen shall be provided and must be screened from public view and its use shall be enforced.

The Contractor shall, where applicable, make the necessary arrangements for the removal of night soil."

**PSA 5 CONSTRUCTION**

**PSA 5.4 PROTECTION OF OVERHEAD AND UNDERGROUND SERVICES**

REPLACE THE HEADING AND THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:

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## **"PSA 5.4 LOCATION AND PROTECTION OF EXISTING SERVICES"**

### **PSA 5.4.1 Location of existing services**

Before underground or excavation work is carried out, the Contractor shall ascertain the presence and position of all services likely to be damaged or interfered with by his activities. He shall obtain up-to-date plans from the Engineer for this purpose, showing the position of services in the area where he intends to work. As services can often not be reliably located from such plans, the Contractor shall determine the exact position of such services by means of suitable detecting equipment and afterwards by careful hand excavation where necessary in order to expose the services at the positions of possible interference by his activities. This procedure shall also be followed in respect of services not shown on the plans but believed to be present.

All such services, the positions of which have been located at the critical points, shall be designated as 'known' services and their positions shall be indicated on a separate set of Drawings, a copy of which shall be furnished to the Engineer.

While he is occupying the Site, the Contractor shall be liable for all damage caused by him to known services as well as for consequential damage, whether caused directly by his operations or by the lack of proper protection.

### **PSA 5.4.2 Protection during repair and maintenance work**

The Contractor shall exercise all the necessary care to prevent damage to known services during repair and maintenance work. Where applicable, major excavating equipment and other Plant shall not be operated dangerously close to these services. Where necessary, excavation in close proximity to these services shall be carefully carried out with suitable hand tools, excluding picks wherever their use could damage the services. No additional payment will apply to such more difficult work.

Services left exposed shall be suitably protected from damage.

### **PSA 5.4.3 Alterations and repairs to existing services**

Unless the contrary is clearly specified or ordered, the Contractor shall not carry out alterations to existing services. When this is necessary, the Contractor shall inform the Engineer, who will either make arrangements for such work to be executed by the owner of the service, or instruct the Contractor to make such arrangements himself.

When existing services are damaged by the Contractor, he shall immediately inform the Engineer, or when this is not possible, the relevant authority, and obtain instructions as to who should carry out repairs. In urgent cases the Contractor shall take the necessary steps to minimise damage to and interruption of the service. No repairs of telecommunication cables or electric power lines and cables shall be attempted.

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The Employer will accept no liability for damages due to a delay in having such alterations or repairs effected. The Contractor shall provide all reasonable opportunity, access and assistance to persons carrying out alterations or repairs of existing services."

ADD THE FOLLOWING SUBCLAUSE:

### **"PSA 5.9 SITE MEETINGS**

The Contractor will be required to attend regular site meetings, normally held once a month to discuss general progress, quality of work, problems, claims, payments, etc., but not matters concerning the day-to-day running of the Contract."

### **PSA 6 TOLERANCES**

ADD THE FOLLOWING SUBCLAUSE:

#### **"PSA 6.4 GENERAL**

No guarantee is given that the full specified tolerances will be available independently of each other, and the Contractor is cautioned that the liberal or full use of any one or more of the tolerances may deprive him of the full or any use of tolerances relating to other aspects of the work.

Except where the contrary is specified or when clearly not applicable, all quantities for measurement and payment shall be determined from the 'authorised' dimensions. These are specified dimensions or those shown on the Drawings or, if changed, as finally prescribed by the Engineer, without any allowance for the specified tolerances. Except if otherwise specified, all measurements for determining quantities for payment will be based on the 'authorised' dimensions.

If the work is therefore constructed in accordance with the 'authorised' dimensions plus or minus the tolerances allowed, quantities will be based on the 'authorised' dimensions regardless of the actual dimensions to which the work has been constructed.

When the work is not constructed in accordance with the 'authorised' dimensions plus or minus the tolerances allowed, the Engineer may nevertheless, at his sole discretion, accept the work for payment. In such cases no payment shall be made for quantities of work or material in excess of those calculated for the 'authorised' dimensions, and where the actual dimensions are less than the 'authorised' dimensions minus the tolerance allowed, quantities for payment shall be based on the actual dimensions as constructed."

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**PSA 8 MEASUREMENT AND PAYMENT**

**PSA 8.1 MEASUREMENT**

**PSA 8.1.2 Preliminary and general items or section (for repair phase only)**

**PSA 8.1.2.2 Bid sums**

REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:

"The Contractor's bid sums under items PSA 8.3 and PSA 8.4 shall collectively cover all charges during the repair phase for

- risks, costs and obligations in terms of the General Conditions of Contract, the Contract Data and of this Standardised Specification, except where provision is made in these Project Specifications to cover compensation for any of these items;
- head-office and site overheads and supervision;
- profit and financing costs;
- expenses of a general nature not specifically related to any item or items of permanent or temporary work;
- providing facilities on Site for the Contractor's personnel, including offices, storage facilities, workshops, ablutions, for providing services such as water, electricity, sewerage, sewage and rubbish disposal, for access roads and all other facilities required, as well as for the maintenance and removal on completion of the Works of these facilities and the cleaning-up of the camp site on completion of the Works;
- providing facilities for the Engineer and his staff as specified in SABS 1200 AB and in these Project Specifications"

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**PSA 8.2 PAYMENT**

**PSA 8.2.1 Fixed-charge and value-related items**

REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:

"Payment of fixed charges in respect of item 8.3.1 will be made as follows:

Eighty per cent (80%) of the sum bid will be paid when the facilities have been provided and approved. The remaining 20% will be paid when the repair works have been completed, the facilities have been removed and the camp site has been cleared and cleaned.

Payment for the sum bid under item 8.3.2 will be made in three separate instalments as follows:

- (a) The first instalment, which is 40% of the sum, will be paid when the Contractor has fulfilled all his obligations to date under this Standardised Specification, the General Conditions of Contract and the Contract Data, and when the value of work certified for payment, excluding materials on Site and payments for preliminary and general items, is equal to not less than 5% of the total value of the repair work listed in the Bills of Quantities.
- (b) The second instalment, which is 40% of the sum, will be made when the amount certified for payment, including retention monies but excluding this second instalment, exceeds 50% of the repair work.
- (c) The final payment, which is 20% of the sum, will be made when the repair works have been certified as completed and the Contractor has fulfilled all his obligations to date under this Standardised Specification, the General Conditions of Contract and the Contract Data.

Should the value of the measured repair work finally completed be more or less than the Bid Sum for repair work, the sum bid under item 8.3.2 will be adjusted up or down in accordance with the provisions of Clause 50 of the General Conditions of Contract as amended in Part 1 of the Contract Data, and this adjustment will be applied to the third instalment. No adjustment will apply to item 8.3.1 in respect of variations in the value of work done or after the finally authorised Time for Completion."

Note: Payment under item 8.3.2 will only be applicable to repair work.

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**PSA 8.2.2 Time-related items**

REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:

"Subject to the provisions of Subclauses 8.2.3 and 8.2.4, payment under item 8.4.1 (time-related item) will be made monthly in equal amounts for each installation, calculated by dividing the sum bid for the item by the repair phase period for the installation in months, provided always that the total of the monthly amounts so paid for the item is not out of proportion with the progress of the work on the installation as a whole.

Should the Engineer grant an extension of Time for Completion of the repair works on the installation, the Contractor will be entitled to an increase in the sum bid for the time-related item, which increase shall be in the same proportion to the original sum bid as the extension of time is to the original Time for Completion of the repair works.

Payment of such increased amounts will be deemed full compensation for all additional time-related preliminary and general costs due to the circumstances pertaining to the extension of time granted for an installation. The length of the repair phase for each installation is indicated in Part 1 of the Contract Data.

In the Bills of Quantities separate provision is made for time-related items for each installation individually. Time-related payment for an installation shall only be made when the repair work on the installation is in progress and shall end when the time for completion or an extension of time granted by the Engineer expires. When repair work on more than one installation is in progress, time-related payment will be made for each installation and the conditions as stated above shall apply to each installation individually."

**PSA 8.3 BILLED FIXED-CHARGE AND VALUE-RELATED ITEMS**

REPLACE THE ITEMS WITH THE FOLLOWING:

**"PSA 8.3.1 Fixed preliminary and general charges** **Unit : Sum**

**PSA 8.3.2 Value-related preliminary and general charges** **Unit : Sum**

The sums bid shall include full compensation for all fixed and value-related preliminary and general charges as described in Subclause PSA 8.1.2.2. Payment will be made as described in Subclause PSA 8.2.1."



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**PSA 8.4      BILLED TIME-RELATED ITEMS**

REPLACE THIS ITEM WITH THE FOLLOWING:

**"PSA 8.4.1      Time-related preliminary and general charges:**

- (a)      SAPS Centres      Unit: Month

The sums bid shall include full compensation for all time-related preliminary and general charges as described in Subclause PSA 8.1.2.2. Payment will be made as described in Subclause PSA 8.2.2.

NOTE:      The total amount bid for items PSA 8.3.1, PSA 8.3.2 and PSA 8.4.1 shall not exceed 15% of the total amount bid for repair work, excluding value-added tax.

**PSA 8.6      PRIME COST ITEMS**

REPLACE THIS ITEM WITH THE FOLLOWING:

**"PSA 8.6      PRIME COST SUMS:**

- (a)      Housing for Engineer's representative      Unit: PC Sum
- (b)      Charge required by Contractor on subitem (a) above      Unit: %

The Prime Cost Sum provided under subitem (a) in the Bill of Quantities will be expended in accordance with Clause 45.2 of the General Conditions of Contract.

The bid percentage under subitem (b) will be paid to the Contractor on the value of each payment made to the Engineer.

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**PSA 8.8      TEMPORARY WORKS**

REPLACE ITEM 8.8.4 WITH THE FOLLOWING:

**"PSA 8.8.4      Location and protection of existing services:**

**PSA 8.8.4.1      Provision of detecting devices for:**

- |     |                             |            |
|-----|-----------------------------|------------|
| (a) | Water and sewer pipes       | Unit : Sum |
| (b) | Electrical and other cables | Unit : Sum |

The bid sums shall cover the cost of providing and operating suitable equipment for as long as it is needed to locate all the existing services likely to be affected by the construction activities. Alternatively, an approved specialist firm may be employed to carry out the work.

**PSA 8.8.4.2      Hand excavation necessary for locating and exposing existing services in all material:**

- |     |                    |          |
|-----|--------------------|----------|
| (a) | In roadways        | Unit: m3 |
| (b) | In all other areas | Unit: m3 |

The rates shall cover the cost of excavating by means of hand tools within authorised dimensions, for all precautionary measures to protect the services from damage during excavation and backfilling, and for subsequent backfilling and compacting. Compaction of material in all areas except in roadways shall be to 90% of the modified AASHTO density.

The rate for hand excavation in roadways shall include compensation for compacting excavated or selected backfill material to 93% of modified AASHTO density.

The bid rates shall also include for keeping excavations safe, for dealing with surface and subsurface water, for removing surplus excavated material from the Site, for transporting all material, and for supplying adequate supervision during both excavation and backfilling operations."

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ADD THE FOLLOWING ITEMS:

**"PSA 8.9      ADDITIONAL TESTS:**

- |     |   |            |
|-----|---|------------|
| (a) | Additional tests required by the Engineer | Unit : Sum |
| (b) | Attendance and profit                     | Unit : %   |

An amount has been allowed in the Bill of Quantities under subitem (a) to cover the cost of additional tests required by the Engineer. The Engineer will have the sole authority to spend the amount or part thereof.

The bid percentage under subitem (b) will be paid to the Contractor on the value of each payment made to the testing authority.

Note in connection with subitem (a):

The Contractor is responsible for both the cost of normal testing as described in Subclause PS 8.10 in portion 1 of the Project Specifications and for the cost of any additional test that indicates that the Specifications have not been complied with.

**PSA 8.10      SECTIONAL FENCING FOR THE PROTECTION OF THE  
WORKFORCE**

**Unit : m**

The bid rate shall include full compensation for the supply, delivery, initial erection and finally removal from the site of the sectional fencing. The cost to move the fencing will not be paid for separately but shall be deemed to be included in the rate bid.

**PSA 8.11      MAINTENANCE MATERIAL:**

Supply and deliver maintenance material to the site:

- |     |  |   |
|-----|--|---|
| (a) | Description of type of service for which material is needed: |   |
|     | (i)      Description of specific material                    | Unit: litre, m <sup>2</sup> , m, number |
|     | (ii)     Etc., for other types of material.                  |   |
| (b) | Etc. for other types of service.                             |   |

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The unit of measurement shall be the litre, square metre, metre or number as applicable to each item ordered on the written instructions of the Engineer.

The bid rates shall include full compensation for supplying and delivering to the maintenance store(s) of the Employer on the Site of the Works each item as billed and shall include for all labour, material, waste and, transport.

A complete book keeping system with delivery notes and order "invoices" shall be kept by the Contractor and the cost thereof shall be deemed to be included in the rates bid for the various items.

The rates bid will be fixed for the full duration of the repair phases and shall be applicable to any quantity "ordered" irrespective of size, contents, volume of container or the number. The actual square metre size of the "ordered" items will be calculated to two decimal points for payment purposes. No "rounding-off" to the nearest square metre quantity will be allowed. It is expected that the maintenance material will be ordered in small quantities throughout the duration of the Contract."

### **PSA 8.13**      **COMPLIANCE WITH OHS ACT AND CONSTRUCTION REGULATIONS 2003**

**Unit: sum**

The bid sum shall include full compensation to the Contractor for compliance with all the requirements of the OHS Act and the Construction Regulations 2003 at all times during the repair and maintenance phase, as described in PS 13 of Portion 1 of the Project Specifications. The successful bidder shall provide the Engineer with a complete breakdown of this bid sum.

This sum will be paid to the Contractor in equal monthly amounts for the entire duration of the contract period.

### **PSAB**      **ENGINEER'S OFFICE**

### **PSAB 3**      **MATERIALS**

### **PSAB 3.1**      **NAMEBOARDS**

REPLACE THE FIRST SENTENCE OF SUB-CLAUSE 3.1 OF SANS 1200AB WITH THE FOLLOWING:

"The Contractor shall supply and erect at locations approved by the Engineer, the number of contract nameboards specified in Portion 1 of the Project Specifications, which, unless otherwise specified in the Contract, shall comply with the recommendations for the standard board of the South African Association of Consulting Engineers, with regards to size, painting, decorating and detail, and the requirements described hereunder."

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**PSAB 3.2 OFFICE BUILDING(S)**

REPLACE THE WORDS: "as scheduled" IN PARENTHESIS IN THE FIRST LINE OF SUBCLAUSE 3.2 OF SANS 1200 AB WITH: "as specified in Portion 1 of the Project Specifications";

AND REPLACE SUBCLAUSE 3.2(j) OF SANS 1200 AB WITH THE FOLLOWING:

- "(j) a heater and fan / air-conditioning unit both of such capacity that the inside of the office(s) is always at a temperature of between 20°C and 24°C."

ADD THE FOLLOWING SUBCLAUSE IN CLAUSE 3:

**"PSAB 3.3 CAR-PORT**

The Contractor shall construct the number of carports indicated in Portion 1 of the Project Specifications, for the sole use of the Engineer and his staff. Each car-port shall be constructed so that the vehicle parked under it is always protected against the direct rays of the sun. The carport area shall be at least 36 m<sup>2</sup> and the floor shall be covered with a layer of crushed stone to alleviate dusty and muddy conditions. The carport(s) shall be positioned so as to provide easy and convenient access to the Engineer's office."

**PSAB 4 PLANT**

**PSAB 4.1 TELEPHONE**

*REPLACE THE WORDS: "Department of Post and Telecommunications" WITH "Telecoms Provider" AND ADD THE FOLLOWING AT THE END OF SUBCLAUSE 4.1 OF SABS 1200 AB:*

*ADD THE FOLLOWING NEW SUBCLAUSES TO CLAUSE 4 OF SABS 1200 AB:*

**"PSAB 4.2 COMPUTER EQUIPMENT**

Where it is specified in Portion 1 of the Project Specifications that the Contractor shall provide computer equipment on site for the exclusive use of the Engineer and his staff, such computer hardware and software shall comply with the specifications set out in Subclauses PSAB 4.2.1 and PSAB 4.2.2 hereunder.

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**PSAB 4.2.1 Computer hardware**

- (a) Computers

**Laptop shall comply with the following minimum specifications:**

**System Features**

**1x laptop with CPU** - Intel® Core™ i9-14<sup>th</sup> generation Genuine Windows® 11 Professional 64

**Memory** - 32 GB MEMORY

**Storage** - 1TB Solid State Drive

**Graphics** – 15 .6 LED-backlit FHD Anti-Glare 4k display

16 GB dedicated video memory

**Ports** - 3USB 3.0 ports,

Mobile Broadband 4G/LTE/5G wireless card

1x 32-inch 4k display monitor

- (b) Printers

Printers shall, unless otherwise approved by the Engineer, be DeskJet (Black and White) or laser printers.

## **H22/037AI**

All computer hardware shall be provided complete with the requisite connecting cables and all inter-facing devices and software necessary for its efficient operation as an integral system.

### **PSAB 4.2.2 Computer software**

The following software shall be properly installed on the computer, and the original licence agreements and disks shall be provided to the Engineer for safekeeping:

- (a) Microsoft Windows® 11 Professional 64-bit
- (b) MS-Office 2021 Professional

### **PSAB 4.3 TELEFAX FACILITIES**

Not applicable

### **PSAB 4.4 SURVEY EQUIPMENT**

No survey equipment is required.

## **PSAB 5 CONSTRUCTION**

### **PSAB 5.4 TELEPHONE**

REPLACE THE CONTENTS OF SUBCLAUSE 5.4 OF SABS 1200 AB WITH THE FOLLOWING:

#### **"PSAB 5.4.1 Telkom telephones**

The Contractor shall advise Telkom promptly of any faults which develop in the telephone service and shall, in such circumstances, arrange for the earliest possible restoration of the said service.

The Contractor shall ensure that the telephone account is promptly paid.

**H22/037AI**

**PSAB 5.4.2 Cellular telephones**

The Contractor shall advise the cellular service provider of any faults which develop in the cellular telephone service and/or the cellular telephone handsets and shall, in such circumstances , arrange for the earliest possible restoration of the said service.

The costs of any necessary repairs and/or the replacement of components to the handsets of the cellar telephones shall be for the Contractor's account.

The Contractor shall ensure that all accounts for cellular phone calls and the respective service contracts are promptly paid."

ADD THE FOLLOWING NEW SUBCLAUSES TO CLAUSE 5 OF SABS 1200 SB:

**"PSAB 5.6 COMPUTER EQUIPMENT**

All computer equipment provided shall be kept fully serviceable at all times by the Contractor. The Contractor shall have any defective equipment repaired or replaced at his own cost within 12 hours after notification by the Engineer's staff.

The Contractor shall further provide at his own cost, all paper and black ink cartridges and other consumables reasonably required by the Engineer.

**PSAB 5.7 TELEFAX FACILITIES**

Not applicable

**PSAB 5.8 SURVEY EQUIPMENT**

No survey equipment is required.



### C3.6 STANDARD MINIMUM REQUIREMENTS

In terms of section 5(2) of the Construction Industry Development Board Act, 2000 (Act no. 38 of 2000) (the Act), the Construction Industry Development Board is empowered to establish and promote best practice standards, Standard Requirements and Guidelines which includes the following but not limited to:

- C3.6.1 cidb Best Practice: Green Building Certification, No. 34158 Government Gazette, 1 April 2011
- C3.6.2 cidb Standard for Developing Skills through Infrastructure Contracts, No. 36760 Government Gazette, 23 August 2013
- C3.6.3 cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013
- C3.6.4 Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017, No. 40553 Government Gazette, 20 January 2017
- C3.6.5 cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts, No. 41237 Government Gazette, 10 November 2017
- C3.6.6 cidb Standard for Minimum Requirements for Engaging Contractors and Sub-Contractors on Construction Works Contracts, No. 41237 Government Gazette, 10 November 2017
- C3.6.7 cidb Standard for Minimum Requirements for Engaging Contractors and Sub- Contractors on Construction Works Contracts, No. 42021 Government Gazette, 9 November 2018
- C3.6.8 cidb Standard for Developing Skills through Infrastructure Contracts, No. 43495 Government Gazette, 3 July 2020

### C3.7 CONTRACT PARTICIPATION GOALS AND CIDB BUILD PROGRAMME

The contractor shall achieve in the performance of the contract the following Contract Participation Goals (CPGs) as indicated below. Provision for pricing of compliance with the achieving the CPGs is made in the Contract Participation Goal Section of the Bills of Quantities and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced thereunder and no additional claims in this regard shall be entertained:

#### C3.7.1 Minimum Thirty Percent (30%) Mandatory Sub-contracting Contract Participation Goal

##### **MINIMUM THIRTY PERCENT (30%) MANDATORY SUBCONTRACTING TO SMMEs: IMPLEMENTATION OF PREFERENTIAL PROCUREMENT REGULATIONS 2017**

##### **30% Mandatory subcontracting is *applicable* to this project.**

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprises (SMME's) in executing this contract, irrespective whether the 30% Participation Goal is applicable or not.

The thirty percent (30%) mandatory Sub-contracting shall be achieved in the execution of the contract. in terms of in accordance with the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017 as published in the Government Gazette Notice No. 40553 of 20 January 2017.

- (a) SMME's involvement of at least **30% thirty Percent** of the tender amount at the time of tender to be sourced from within **50km** radius of the project site with the intention to maximize use of local SMMEs within **the vicinity of the four (4) sites (Limpopo and Mpumalanga Province.**

- (b) SMME's involvement of at least **30% thirty Percent** of the Tender Value to be sourced from within **100km** radius of the project site.

Bidders are cautioned not to under-price items earmarked to be executed by SMMEs as adjustment to too low rates will not be entertained by the Employer.

Bidders to sub-contract a minimum of thirty percent (30%) of the tender amount including VAT at the time of tender (All inclusive, Including VAT). to any one or more of the following categories:

- a. An EME or QSE
- b. An EME or QSE which is at least 51% owned by black people
- c. An EME or QSE which is at least 51% owned by black people who are youth
- d. An EME or QSE which is at least 51% owned by black people who are women
- e. An EME or QSE which is at least 51% owned by black people with disabilities
- f. An EME or QSE which is at least 51% owned by black people living in rural or underdeveloped areas or townships
- g. A co-operative which is at least 51% owned by black people
- h. An EME or QSE which is at least 51% owned by black people who are Military veterans
- i. More than one of the categories referred to in paragraphs (a) to (h).

Bidders to refer to the CSD for a list of prospective sub-contractors provided with the tender. The bidder to refer to the CSD website should the list provided be insufficient.

**Bidders must ensure that the sub-contractors conform to the following:**

- a. Possess relevant accreditation where applicable;
- b. Be registered with relevant bodies (CIDB, various Councils, etc.) where applicable;
- c. Possess necessary capabilities to deliver the sub-contracted work;
- d. Meet the requirements in terms of the stipulated designated groups; and
- e. Geographical located at the place where the project will be delivered. Geographical location must be determined using the following criteria:
  - Relevant Ward. If not available;
  - Relevant neighbouring Wards. If not available;
  - Relevant Local Municipality. If not available;
  - Relevant District Municipality. If not available;
  - Relevant Metro. If not available;
  - Relevant Province. If not available;
  - Relevant Neighbouring Province. And If not available;
  - Anywhere within the borders of South Africa .

It is the bidder's responsibility to source alternative SMMEs should the parties with whom agreements were entered into at the time of tendering either no longer exist or do not perform or render work of an acceptable standard, subject to the approval by the Employer. Failure to achieve the **minimum 10 percent (10%)** SMME participation based on the tender amount including VAT, will result in a **10% Ten Percent** penalty on the amount of work on which there is no compliance (Excluding VAT), unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

### **C3.7.2 Minimum Targeted Local Material Manufacturer Contract Participation Goal**

**The Minimum Targeted Local Building Material Manufacturers CPG is *applicable* to this project.**

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprise Local Material Manufacturers (SMME's) in executing this contract, irrespective whether a minimum percentage Participation Goals is applicable or not.

The Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020.

A Targeted Local Material Manufacturer is a targeted enterprise that operates or maintains a factory or establishment that produces on its premises materials or goods required by the principal contractor for the performance of the contract.

Note: Adapted from SANS 10845-7:2015, definition 2.13

Preference shall be given to the Targeted Local Material Manufacturer where feasible in **the vicinity of the four (4) sites (Limpopo and Mpumalanga Province)** and provided that:

- (a) Such materials comply in all respects with the specific requirements of PW371 and SANS specifications,
- (b) The non-availability of such materials shall not adversely affect the desired progress of the specific works,
- (c) The use of such suppliers shall not constitute grounds for any claim for increased cost in respect thereof,
- (d) Materials of at least **10% Ten Percent** of the total value of materials purchased excluding VAT to be sourced from within **50km** radius of the project site,
- (e) Material of at least **10% Ten Percent** of the total value of materials purchased excluding VAT to be sourced from within **100km** radius of the project site.

Failure to achieve the minimum **10% Ten Percent** Targeted Local Material Manufacturer participation expressed as a percentage of the original tender amount, excluding allowances and VAT, will result in a **10% Ten Percent** penalty of the prorated targeted value of materials not complied with unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

### **C3.7.3 Minimum Targeted-Local Building Material Suppliers Contract Participation Goal**

**The Minimum Targeted Local Building Material Suppliers CPG is *applicable* to this project.**

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprise Local Material Suppliers (SMME's) in executing this contract, irrespective whether a minimum percentage Participation Goals is applicable or not.

The Minimum Targeted Local Manufacturers of Material Contract Participation Goal shall be achieved in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract..

A targeted supplier is a targeted enterprise that

- a) owns, operates or maintains a store, warehouse or other establishment in which goods are bought, kept in stock and regularly sold to wholesalers, retailers or the public in the usual course of business; and
- b) engages, as its principal business and in its own name, in the purchase and sale of goods.

Note: Adapted from SANS 10845-7:2015, definition 2.14

Preference shall be given to the local material suppliers where feasible in the **the vicinity of the four (4) sites (Limpopo and Mpumalanga Province)**, and provided that:

- (a) Such materials comply in all respects with the specific requirements of PW371 and SANS specifications,
- (b) The none availability of such materials shall not adversely affect the desired progress of the specific works,
- (c) The use of such suppliers shall not constitute grounds for any claim for increased cost in respect thereof,

- (d) Materials of at least **10% Ten Percent** of the total value of materials purchased excluding VAT to be sourced from within **50km** of the project site,
- (e) Material of at least **10% Ten Percent** of the total value of materials purchased excluding VAT to be sourced from within **100km** of the project site.

Failure to achieve the minimum **10% Ten Percent** Targeted Local Material Manufacturer participation expressed as a percentage of the original tender amount, excluding allowances and VAT, will result in a **10% Ten Percent** penalty of the prorated targeted value of materials not complied with, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

#### **C3.7.4 Minimum Targeted Local Labour Skills Development Contract Participation Goal**

**The Minimum Targeted Local Labour Skills Development CPG is *applicable* to this project.**

It is the requirement of the employer that the contractor enhances the use of local labour in executing this contract. This is required to be done through the use of both traditional building techniques and labour-intensive construction techniques careful and considered construction planning and implemented in the project irrespective whether a minimum percentage Participation Goal is applicable or not.

The Minimum Targeted Local Skills Development Contract Participation Goal shall be achieved in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract..

Targeted labour: individuals who:

- a) are employed by the principal contractor, sub-contractor or targeted enterprises in the performance of the contract;
- b) are defined as the target group in the targeting data; and
- c) permanently reside in the target area or who are recognized as being residents of the target area on the basis of identification and association with and recognition by the residents of the target area.

Adapted from SANS 10845-7:2015, definition 2.12

Targeting of labour by skills categories is only permissible within categories of semi-skilled and unskilled labour.

Contract participation goals for semi-skilled and unskilled labour shall be limited to on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract and in a manner that does not compromise worker health and safety. In the case of targeted labour, the certification of records shall be in accordance with SANS 10845-8.

Beneficiaries will be sourced from the **the vicinity of the four (4) sites (Limpopo and Mpumalanga Province)** for the full duration of the Construction Period, employed by either the principal contractor, sub-contractors or targeted enterprises. The total number of working days to complete the Works amount to **365** working days. The minimum CPG participation for Targeted Local Labour Skills Development is **10% Ten Percent**, expressed as a percentage of the total number of working days required to complete the Works. The contractor shall attain or exceed the CPG in the performance of the contract. Failure to achieve the minimum Targeted Local Labour Skills Development CPG will result in a payment reduction of **R5 000** (Excluding VAT), per working day which training has not been provided to the workforce in attendance, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

### C3.7.5 CIBB BUILD PROGRAMME: Minimum Targeted Enterprise Development Contract Participation Goal

**The Minimum Targeted Enterprise Development CPG is *applicable* to this project.**

The aim of this best practice standard for indirect targeting for enterprise development in accordance with the Standard for Indirect Targeting for Enterprise Development (published in Government Gazette 36190 of 25 February 2013), as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract. is to promote enterprise development by providing for a minimum contract participation goal (CPG) of **five percent (5%)** of the contract amount as defined in the Standard (Tender amount, excluding allowances and VAT on selected contracts to be undertaken by joint-venture partners or to be sub-contracted to developing contractors that are also to be beneficiaries of enterprise development support from the main contractor.

The lead partner or main contractor shall dedicate a **minimum five percent (5%)** of the tender value at the time of award, excluding allowances and VAT, to provide developmental support to targeted subcontractor or joint venture partner applicable to contracts in Grades 7 to 9, General Building and Civil Engineering contracts. Preference will be given to General Building, Electrical, Mechanical, Plumbing, etc. It could be either or any combination of all Enterprises.

The contractor shall attain or exceed the enterprise development goal in the performance of the contract. Failing to achieve the Participation Goal will result in A) a thirty percent (30%) penalty of the value not achieved, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

#### C3.7.5.1 Criteria

The main or lead partner of the successful bidder shall:

- (a) There must be a needs analysis for indirect targeting and development or skill standard and should be development in at least any two developmental areas namely;
  - Administrative and cost control systems
  - construction management systems and plans
  - planning, tendering and programming
  - business; technical; procurement skills
  - legal compliance
  - credit rating/history; financial loan capacity/history
  - contractual knowledge
- (b) The above needs analysis shall be mutually agreed upon between contractor and targeted enterprise
- (c) The contractor shall appoint an enterprise development coordinator to:
  - perform needs analysis on the targeted enterprise to identify developmental goals
  - develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas
  - provide internal mentorship support to improve the targeted enterprise/s performance
  - monitor and submit to the employer's representative a monthly enterprise development report thereby reporting on the progress of the agreed development areas with the targeted enterprise/s
  - submit a project completion report to the Employer's representative for each targeted enterprise.
  -



#### C3.7.5.2 Management

The contractor shall provide a competent person/s to provide internal mentorship to the Targeted Enterprise/s in the two agreed developmental areas.

#### C3.7.5.3 Competence Criteria for an Enterprise Development Co-ordinator

The enterprise development co-ordinator shall have the following competencies:

- Minimum experience of 5 years in the construction industry at Managerial level as a Site Agent, Contracts Manager, Site Manager, Construction Manager, Business Development Manager or Enterprise Development Manager.
- Minimum experience of 2 years in training and development in Building or Construction; and
- National Diploma or B Degree in the Built Environment or Business Management

#### C3.7.5.4 Format of Communications

The contractor shall submit to the Employer's Representative:

- *Project interim reports* in the specified format (**ED105P**) detailing interim values of the CPG that was achieved together with an assessment of the enterprise development support provided should be tabled and discussed at least monthly at progress meetings between employer's representative and the contractor;
- *Project completion report* in the specified format (**ED101P**) to the Employer's Representative for acceptance within 15 days of achieving practical completion. The report shall include the value of the CPG that was certified in accordance with the contract, cidb registration numbers of each and every targeted enterprise, and the value of the subcontracted works or of the joint venture entered into; and the participation parameter
- *Enterprise development declaration* (**ED104P**).

#### C3.7.5.5 The Key Personal

The contractor shall appoint an Enterprise Development Co-ordinator and a competent person/s to provide internal mentorship.

#### C3.7.5.6 Management Meetings

The contractor shall report to the Employer's Representative on the implementation and progress of the targeted enterprise development and CPG at monthly progress site meetings.

#### C3.7.5.7 Forms for contract administration

The contractor shall submit to the Employer's Representative the following proformas:

- Form ED 105P Project Interim Report
- Form ED 104P Enterprise Development Declaration
- Form ED 101P Project Completion Report

#### C3.7.5.8 Records

The contractor shall:

- keep records of the targeted enterprise development
- keep records of the payments made to the targeted enterprises in relation to the CPG.
- ensure all the documentation required in terms of the Standard is provided with each monthly progress payment certificate and according to a prescribed format where applicable.

#### C3.7.5.9 Payment Certificates

The contractor shall:

- achieve the measurable CPG and providing enterprise development support to the targeted enterprise/s as per the Standard.
- submit payment certificates to the Employer Representative at intervals determined in the Contract.

#### C3.7.5.10 Compliance requirements

##### **Non-compliance with the Best Practice Project Assessment Scheme**

The wording of regulation 27A of the cidb regulations makes provision for the Board to enforce the cidb code of conduct in the event of clients being found to be in breach of the best practice project assessment scheme.

- Not including the requirements of the cidb standards in the conditions of tender
- Not registering the award of contract on the cidb Register of Projects (RoP)
- Not reporting practical completion on the cidb Register of Projects (RoP)

#### 3.7.6 **CIDB BUILD PROGRAMME: Minimum Targeted Contract Skills Development Goal (CSDG)**

**The Minimum Targeted Contract Skills Development CPG is *applicable* to this project.**

The contractor shall achieve or exceed in the performance of the contract the Contract Skills Development Goal (CSDG) established in the Standard for Developing Skills through Infrastructure Contracts (published in Government Gazette No 43495 of 3 July 2020, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.

Failing to achieve the targeted Contract Skills Development Goal will result in A) a **thirty percent (30%)** penalty of the value of the portion not achieved, excluding VAT, and B) the issuing of completion certificates only after the completion certificate of achieving the skills development goal, counter-signed by the relevant individuals has been submitted, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

### C3.7.6.1 Methodology

The contractor shall achieve the measurable contract skills development goal by providing opportunities to learners requiring structured workplace learning using one or a combination of any of the following in relation to work directly related to the contract or order:

Method 1: structured workplace learning opportunities for learners towards the attainment of a part or a full occupational qualification;

Method 2: structured workplace learning opportunities for apprentices or other artisan learners towards the attainment of a trade qualification leading to a listed trade (GG No. 35625, 31 August 2012) subject to at least sixty percent (60%) of the artisan learners being holders of public TVET college qualifications;

Method 3: work integrated learning opportunities for University of Technology or Comprehensive University students completing their national diplomas;

Method 4: structured workplace learning opportunities for candidates towards registration in a professional category by a statutory council listed in Table 1 above.

The contract skills participation goals, expressed in Rand, shall not be less than the contract amount multiplied by a percentage (%) factor given in Table 2 in the Standard for the applicable class of construction works.

*Table 2: Contracting skills development goals for different classes of engineering and construction works contracts*

<b>Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004</b>		<b>Construction skills development goal (CSDG) (%)</b>
<b>Designation</b>	<b>Description</b>	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.



Table 3: Notional Cost of Training per Headcount

Source: cidb Standard for Skills Development

Type of Training Opportunity	Provision for stipends (Unemployed learners only)	Provisions for mentorship	Provisions for additional costs*	Total costs	
				Unemployed learners	Employed learners
<b>Method 1</b>					
Occupational qualification	R7 000	R0	R9 000	R16 000	R9 000
<b>Method 2</b>					
TVET College graduates	R14 000	R0	R9 000	R23 000	N/A
Apprenticeship	R14 000	R0	R12 000	R26 000	R12 000
<b>Method 3</b>					
P1 and P2 learners	R24 000	R20 000	R4 500	R48 500	N/A
<b>Method 4</b>					
Candidates with a 3 year diploma	R37 000	R20 000	R4 500	R61 500	R20 000
Candidates with 4 year qualification	R47 000	R20 000	R4 500	R71 500	R20 000

Note: the required CPG will be recalculated based on the awarded tender amount and "Contract amount" once the beneficiaries have been appointed and actual costs are known. The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI. Should the rates increase after bid award or during construction the rates will be adjusted as a re-measurable item.

- (a) (a) The successful contractor may employ part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates directly or through a Skills Development Agency (SDA), (A1 - List of cidb accredited SDAs).
- (b) The successful contractor must employ at least sixty percent (60%) of the learners from an FET / TVET college should the contractor select to have part/full occupational qualification learners and trade qualification learners contributing to the CSDG.
- (c) The successful contractor shall employ at least **minimum five percent (5%)** from eligible part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates in the employment of the employer.
- (d) The successful contractor shall ensure that no single method shall contribute more than seventy five percent (75%) of the CSDG for the contract.
- (e) The successful contractor may only place thirty three percent (33%) employed employees or that of his subcontractors contributing to the CSDG.
- (f) The contractor shall employ at least sixty percent (60%) of the learners from a Public FET / TVET college should the contractor select to have trade qualification learners (Method 2) contributing to the CSDG.
- (g) One of the objectives of the project is to train **minimum five percent (5%)** Occupational qualifications, trade qualification, work integrated learners – P1 and P2 learners, professional candidates.

#### C3.7.6.2 Management

- (a) The successful contractor must keep site records regarding the part/full occupational qualification learners', trade qualification learners', work integrated learners' or candidates' (delete that which is not applicable) progress, site attendance, hours worked and other relevant information as required by the Standard.

- (b) The successful contractor shall provide the required number of appropriately qualified mentors to the maximum number of part/full occupational qualification learners, trade qualification learners, work integrated learners in the proportion as specified in the Standard.
- (c) The successful contractor shall provide a supervisor to manage the training of the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates.
- (d) The successful contractor shall submit to the employer's representative a baseline training plan in the specified format (Pro-forma A2) for the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates within 30 days of start of the contract.
- (e) The successful contractor shall submit to the employer's representative project interim report in the specified format (Pro-forma A3) on the progress of each of part/full occupational qualification learner, trade qualification learner, work integrated learner, candidate every three months.
- (f) The successful contractor shall submit to the employer's representative the names and particulars in the specified format (Pro-forma A4) of the supervisor, mentors for the part/full occupational qualification learners, trade qualification learners, work integrated learners or within 30 days of start of the contract.
- (g) The successful contractor shall keep a daily record of all the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates on site and their daily activities and shall be made available to the employer's representative on request.
- (h) The successful contractor shall submit to the employer's representative the reports on the progress and status of the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates with the monthly invoice for the payment certificate.
- (i) The successful contractor shall have health and safety inductions for all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates
- (j) The successful contractor shall conduct entry and exit medical tests of all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates
- (k) The successful contractor shall provide personal protective equipment (PPE) to all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates at the start of their employment on site.
- (l) Based on the agreed skills methods the contractor may employ part/full Occupational Qualification Learners and /or Trade Qualification Learners and/or Work Integrated Learners and/or Candidates directly or through a Skills Development Agency (SDA), training provider or skills development facilitator (Form A1 - List of cidb accredited SDAs). The contractor shall ensure that no more than one Method shall be applied to any individual concurrently in the calculation of the CSDG for the contract.

### **C3.7.7 NATIONAL YOUTH SERVICE TRAINING AND DEVELOPMENT PROGRAMME (NYS)**

**The National Youth Service Training and Development Programme is *applicable* to this project.**

The programme shall be implemented in terms of the Implementation of the National Youth Service Programme under the Expanded Public Works (EPWP) and shall be priced in the CPG section of the Bills of Quantities. Monthly reports are to be submitted to the Employer's Representative.

Failure by the contractors to achieve the specified number to be trained in the NYS section of the CPG section within the Bills of quantities will result in a payment reduction as per bill of quantities per person, excluding VAT unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

### **C3.7.8 LABOUR-INTENSIVE WORKS**

### **Labour Intensive Works is *applicable* to this project.**

Where labour intensive work is specified in the Bill of Qualities and indicated by “LI” the contractor must price for and include in rates. Contractors are expected to use their initiative to identify additional activities that can be done labour-intensively to comply with the set minimum labour intensity target. Allowance must be made for submitting monthly reports illustrating the value of the works executed under Labour Intensive Works.

Failure by the contractor to achieve the specified value of the Labour Intensive Participation Goal as stipulated within the Bills of quantities will result in a thirty percent (30%) penalty of the value of the works not done by means of labour intensive methods, excluding VAT, unless the contractor can prove to the Employer’s satisfaction that the non-achievement was beyond his/her control.

#### Employer’s objectives:

The employer’s objectives are to deliver public infrastructure using labour-intensive methods in accordance with EPWP Guidelines.

#### Labour-intensive works:

Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work. A **thirty percent (30%)** penalty of the value of the works will be imposed on items where unauthorised use of plant was used to carry out work which was to be done labour-intensively.

#### Labour-intensive competencies of supervisory and management staff:

Contractors shall only engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/ Supervisors at NQF level 4 “National Certificate: Supervision of Civil Engineering Construction Processes” and Site Agent/ Manager at NQF level 5 “Manage Labour-Intensive Construction Processes” or equivalent QCTO qualifications (See Appendix C) at NQF outlined in Table 1

### **C3.7.8.1 GENERIC LABOUR-INTENSIVE SPECIFICATION**

Contractors are referred to the Guidelines for the Implementation of Labour-intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP) for the generic labour-intensive specification applicable to the contract.

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- trenches having a depth of less than 1.5 metres
- stormwater drainage
- roads
- sidewalks and non-motorised transport infrastructure
- water and sanitation

#### **Precedence**

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail

#### **Hand excavatable material**

Hand excavatable material is:

##### **a) granular materials:**

- i) whose consistency when profiled may in terms of table 2 be classified as very loose, loose, medium dense, or dense; or
- ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;

##### **b) cohesive materials:**

- i) whose consistency when profiled may in terms of table 2 be classified as very soft, soft, firm, stiff and stiff / very stiff; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

**Note**

- 1) A boulder is material with a particle size greater than 200mm, a cobble and gravel is material between 60 and 200mm.
- 2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

<b>Table 2: Consistency of materials when profiled</b>			
<b>GRANULAR MATERIALS</b>		<b>COHESIVE MATERIALS</b>	
<b>CONSISTENCY</b>	<b>DESCRIPTION</b>	<b>CONSISTENCY</b>	<b>DESCRIPTION</b>
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40 mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10 mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of a geological pick; requires many blows for excavation.	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail with difficulty; slight indentation produced by blow of a geological pick point.

**Trench excavation**

All hand excavatable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

**Compaction of backfilling to trenches (areas not subject to traffic)**

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers;

- a) to ninety percent (90%) Mod AASHTO;
- b) such that in excess of 5 blows of a dynamic come penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than ten (10%) gravel of size less than 10mm and contains no isolated boulders, or
- c) such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

**Excavation**

All excavatable material including topsoil classified as hand excavatable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand. Any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

#### **Clearing and grubbing**

Grass and bushes shall be cleared by hand.

#### **Shaping**

All shaping shall be undertaken by hand.

#### **Loading**

All loading shall be done by hand. Haulage equipment should be selected in a manner that allows loading by hand to the greatest extent possible.

#### **Haul**

Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

#### **Offloading**

All material, however transported, is to be off-loaded by hand, unless tipper-trucks are utilised for haulage.

#### **Spreading**

All material shall be spread by hand.

#### **Compaction**

Small areas may be compacted by hand provided that the specified compaction is achieved. Appropriate rollers should be used where higher (than can be achieved by hand) levels of compaction are required or for large areas.

#### **Grassing**

All grassing shall be undertaken by sprigging, sodding, or seeding by hand.

#### **Stone pitching and rubble concrete masonry**

All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must be collected, loaded, off loaded and placed by hand.

Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Grout shall be mixed and placed by hand.

#### **Manufactured Elements**

Elements manufactured or supplied by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320kg. Where the mass of an element exceeds 55 kg, consideration should be given to the size of the element relative to its total mass related to the number of workers who would be needed to lift such mass

### **C3.8 Submission of Accrual Reports**

The Contractor shall submit accrual reports to the client representative at the end of March and September each year for the duration of the Service Contract period from the date of appointment up to and including project closeout. This is to ensure that PMTE complies with the accounting framework GRAP, which requires that PMTE disclose all its accruals as at the end of each reporting date.

### **C.3.9 Submission of Monthly Local Material Utilisation Report (Local Content)**

The contractors shall be responsible for record keeping, documenting and submission of monthly local material utilization report with supporting documentation to the Employer's representative within 7 working days of the beginning of the successive month, in terms of DTI&C designated industry/sector/sub-sector schedule as per the PA36 and Annexures C attached to the tender

document. The final percentage achievement to be reconciled upon completion of the project and form part of the final account.

Failure by the contractors to achieve the specified percentage of local content per designated industry/sector/sub-sector as listed will result in a thirty percent thirty percent (30%) penalty of the value not achieved, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control. Allowance must be made for submitting monthly reports illustrating the value of local material utilisation report.



## Examples of calculating CPGs and related penalties

CPGs values are based on the Tender Amount at the time of the award. Determining the actual values is based either on the Tender Amount including allowances and Vat or the Tender Amount at the time of award excluding allowances and VAT, where Allowances include the following:

- Provisional amounts
- CPG allowances
- Nominated and/or selected subcontractors
- Contract price adjustment (Not provided for within the B of Q by NDPWI)
- Contingency amounts (Not provided for within the B of Q by NDPWI)

**CPG values in the CPG Bill of Quantities Section will be recalculated based on the “Tender Amount” or the “Contract Amount” which ever applicable and the provisional amounts adjusted accordingly. Sanctions (penalties) are applicable to all CPGs where the contractor fails to achieve the minimum specified requirements, unless the contractor can prove to the Employer’s satisfaction that the non-achievement was beyond his/her control. No penalties will be applied should the CPG value, based on the original “Tender Amount” or the “Contract Amount”, has been achieved.**

### 1.1. 30% SMME mandatory subcontracting CPG

When applicable, a minimum of 30% of the total tender amount at the time of award, including all allowances and VAT are to be subcontracted to SMMEs.

#### CPG calculation example:

“Tender Amount” = R150 mil

CPG 30% subcontracting value = R45 Mil

#### Calculation of penalty:

Percentage penalty applicable = 5% as specified in the Scope of Works (PG01.1)

CPG Achieved = R30 Mil (R15 Mil shortfall)

Penalty = R15 Mil x 5% = R750 000 Excl. VAT

### 1.2 Targeted Local Building Material Manufacturers CPG

When applicable, the CPG is expressed as a percentage of the “Contract Amount”, i.e. the Tender Amount at the time of award excluding allowances and VAT.

#### CPG calculation example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT

“Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)

CPG to be achieved = 5% as specified in the Scope of Works (PG01.1)

CPG target value = R130 Mil x 5% = R 6,5 Mil (Value of material to be purchased from local manufacturers, excluding VAT)

#### Calculation of penalty:

Percentage penalty applicable = 10% as specified in the Scope of Works (PG01.1)

CPG target value = R6,5 Mil excluding VAT

CPG Achieved = R5,5 Mil (R1 Mil shortfall) excluding VAT

Penalty = R1 Mil x 10% = R100 000 excluding VAT

### 1.3 Targeted Local Building Material Suppliers CPG

When applicable, the CPG is expressed as a percentage of the “Contract Amount”, i.e. the Tender Amount at the time of award excluding allowances and VAT.

#### CPG calculation example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT

“Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)

CPG to be achieved = 5% as specified in the Scope of Works (PG01.1)

CPG target value = R130 Mil x 5% = R 6,5 Mil (Value of material to be purchased from local suppliers, excluding VAT)

Calculation of penalty:

Percentage penalty applicable = 20% as specified in the Scope of Works (PG01.1)

CPG target value = R6,5 Mil excluding VAT

CPG Achieved = R5,5 Mil (R1 Mil shortfall) excluding VAT

Penalty = R1 Mil x 20% = R200 000 excluding VAT

#### **1.4 Targeted Local Labour Skills Development CPG**

When applicable, the CPG is expressed as a percentage of the total number working days required to complete the Works.

CPG calculation example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT

“Contract amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)

Number of working days required to complete the Works based on the construction period = 600 days

CPG percentage participation to be achieved = 30% as specified in the Scope of Works (PG01.1)

Required number of working days training to be provided = 180 days (600 x 30%)

Calculation of penalty:

Payment reduction = R 5 000 per day for not providing training as specified in the Scope of Works (PG01.1)

CPG = 600 working days x 30% = 180 working days training to be provided

CPG Achieved = 160 days (20 days shortfall where no training was provided)

Penalty = 20 days x R5 000 payment reduction per day= R100 000 excluding VAT

#### **1.5 National Youth Service Programme (NYS) CPG**

When applicable, a separate NYS Bill of Quantities will be included in the tender documentation will indicate the number of beneficiaries to be trained.

Calculation of penalty:

Payment reduction per person not trained as stipulated in the NYS Bill of Quantities = R 2 500 per person.

Total number of NYS Beneficiaries as stipulated in the NYS Bill of Quantities = 25

Total Number of NYS beneficiaries trained = 20 (shortfall of 5 beneficiaries)

Penalty = 5 x R2 500 = R12 500 Excl. VAT

#### **1.6 Labour Intensive Works CPG**

When applicable, the work to be done by way of Labour intensive methods are specified in the Bills of Quantities with a “LI”.

CPG calculation example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT

“Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)

CPG value = R10 Mil (Total value of labour-intensive works specified in the Bills of Quantities)

Calculation of penalty:

CPG value = R10 Mil

Percentage penalty applicable = 30% as specified in the PG01.1 Scope of Work

CPG Achieved = 9 Mil (R1 Mil shortfall)

Penalty = R1 Mil x 30% = R300 000 Excl. VAT

#### **1.7 Cidb BUILD Programme: Enterprise Development**

When applicable, the Enterprise Development CPG expressed as a percentage of the “Contract amount” = Tender amount at the time of award excluding allowances and VAT. Failure to achieve the minimum Targeted Local Labour Skills Development CPG will result in a payment reduction of an amount specified in the Scope of Works (PG01.1) per working day where training was not provided.



The monetary value of training to be provided is stipulated in the CPG BoQ section. The number of beneficiaries to be trained is dependent on the “Contract Amount” as well the number of beneficiaries appointed which will generally resort under the Grade 1 and 2 cidb categories. The provisional amount will therefore be adjusted in terms of the “contract Amount”, the number of beneficiaries to be trained and the actual cost for providing the training.

**Part 1: Calculation of 5% CPG example:**

“Tender Amount” = R150 Mil all inclusive of allowances and VAT

“Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)

CPG percentage participation to be achieved = 5% as specified in the Scope of Works (PG01.1)

CPG value = R6,5 Mil (Value of work to be subcontracted to emerging enterprises)

**Calculation of penalty**

Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.1)

CPG Minimum 5% = R6,5 Mil

Achieved = R5,5 Mil (Only subcontracted work to the value of R5,5 Mil, i.e. R1 Mil shortfall)

**Penalty** = R1 Mil x 30% = R300 000 Excl. VAT

**Part 2: Calculations in terms of training to be done:**

The number of enterprises to be developed is subject to the contract amount and the apportionment of the work as per Example 1 below.

Number of enterprises to be trained = 6 x 1 GB subcontractors

Total cost for training = R 1 660 000

**Calculation of penalty**

Total number of enterprises to be trained = 6

Total number trained = 4 (2 Shortfall)

Training cost per beneficiary = R1 660 000 / 6 = R 276 666,67 per beneficiary

**Penalty** = R 276 666,67 x 2 x 30% = R166 000 Excl. VAT

B of Q Item	Description	Unit	Rate	Quantity	Amount (R)
<b>5</b>	<b>Enterprise Development</b>				
5.1	Enterprise Development of Targeted Enterprise or JV partners				
5.1.1	Appointment of training co-ordinator	Per Quarter	45 000	8	360 000
5.1.2	Appointment of Mentor /Training Service provider	Per Quarter	135 000	8	1 080 000
5.1.3	Needs Analysis and Enterprise Development Plan per Targeted Enterprise	No.	5 000	6	30 000
5.1.4	Monitoring and Interim reporting per targeted enterprise	Per Quarter	20 000	8	160 000
5.1.5	Project Completion report per Targeted Enterprise	No.	5 000	6	30 000
	<b>Provisional Sum to be carried over to CPG bill of quantities</b>				<b>1 660 000</b>

“Contract amount” Tender amount excl. allowances and VAT, 130 000 000

CPG Monetary value (5%) to be subcontracted to beneficiaries for training 6 500 000

No of enterprises based on the CPG value 6 Grade 1 / 2 GB/CE,ETC.

Contract period (months) 24

**Note: Rates to be determined by PQS and adjusted to accepted quotation amounts**

**1.8 Cidb BUILD Programme: Skills Development (Principal contractor including subcontractors and consultants)**

When applicable, the contract skills development participation goals, expressed in Rand, shall be no less than the “contract amount” multiplied by a percentage (%) factor for the applicable class of construction works.

The monetary value of training to be provided is stipulated in the CPG BoQ section. The number of beneficiaries to be trained is dependent on the “Contract Amount” as well the number of beneficiaries appointed which will generally resort under the Grade 1 and 2 cidb categories. The provisional amount will therefore be adjusted in terms of the “Contract Amount”, the number of beneficiaries to be trained from which *Method* and the actual cost for providing the training.

## CPG Calculation

### Table 2: Contracting skills development goals for different classes of engineering and construction works contracts

Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020 (Page 7)

Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)
Designation	Description	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

“Contract amount” = Tender amount at the time of award excluding allowances and expenses, and VAT

### Contractor CPG:

CPG calculation

“Contract amount” x factor from Table 3 above.

CPG calculation example:

“Tender Amount” = R150 Mil for GB, all inclusive of allowances and VAT

“Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)

Factor for GB = 0,5% (as per Table 2 above)

CPG in R value = R130 Mil x 0,5% = R650 000 i.e. total cost of training to amount to R650 000

Calculation of penalty:

Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.1)

CPG value = R650 000

Achieved = R550 000 = R100 000 Shortfall

Penalty = R100 000 x 30% = R30 000 Excl. VAT

### Calculations based on “Contract Amount” after bid award and after bid award and appointment of beneficiaries

Actual CPG training requirement value after award upon selecting method/s of training and appointment of beneficiaries = R676 000 (Table 4 below) and the provisional amount allowed for to be adjusted accordingly. The new monetary value of training required will then form the basis for determining penalties applicable. No penalties will be applied should the CPG value, based on the “Contract Amount” be achieved.

Table 4: Notional cost recalculation upon appointment of beneficiaries.

Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020 (Page 10)

Skills Types	Number of learners	Notional Cost / Learner / Quarter	Notional cost / learner / year	Total Notional Cost over 12 months Contract
<b>Method 2:</b> Workplace learning opportunities, with unemployed TVET graduates	2	R23 000	R92 000	R184 000
<b>Method 3:</b> Candidacy for an unemployed learner with a 3-year qualification	2	R61 500	R246 000	R492 000
Total	4			R676 000

*Note: the required CPG will be recalculated based on the awarded Tender amount and “Contract Amount” once the beneficiaries have been appointed and actual costs are known*

*Note: The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI as published by Stats SA. The rates will be adjusted as an adjustment to the provisional amounts should the rates increase after bid award or during the construction period*



## ***Additional Specifications***

- SA : General Maintenance
- SB : Operating and maintenance manuals
- SC : General decommissioning, testing and commissioning procedures
- SD : General training
- SH : HIV / AIDS requirements
- SI : Occupational Health and Safety (OHS Act)
- SJ : COVID- 19 Occupational Health and Safety
- SN : Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)

## **SA GENERAL MAINTENANCE**

### **CONTENTS**

SA 01	SCOPE
SA 02	MAINTENANCE REQUIREMENTS
SA 03	MAINTENANCE CONTROL
SA 04	COMMUNICATION
SA 05	PERFORMANCE MEASUREMENT
SA 06	MEASUREMENT AND PAYMENT

### **SA 01 SCOPE**

Maintenance of the specified systems, services and/or parts of buildings and infrastructure shall all be referred to as "Maintenance of an Installation". Maintenance of all completed installations shall ensure reliable functioning and optimum service life thereof. Monthly maintenance responsibilities for each installation including all units and components as specified shall commence with access to the Site (Maintenance prior to practical completion). Commencement of maintenance after practical completion of each installation shall mean that the installation has been repaired to an acceptable level of serviceability and shall leave the Contractor with a functional installation to maintain for the remaining period of the Contract.

A difference shall be made in payment for the maintenance prior to and after practical completion of repair work.

Maintenance of an installation shall be performed in accordance with the Technical and Particular Specifications, the Operating and Maintenance Manuals (where applicable) and the Maintenance Control Plan.

Remuneration for maintaining "installations" (systems, services and/or buildings and parts of the infrastructure) in good functional condition is provided for in the Bills of Quantities by means of monthly payment items.

This Additional Specification covers maintenance requirements, development of a maintenance control plan, identification of equipment, site maintenance administration, maintenance performance measurement, as well as the items for measurement of the Contractor's service level and resulting payment.

### **SA 02 MAINTENANCE REQUIREMENTS**

#### **SA 02.01 CONTRACTOR'S RESPONSIBILITIES**

The Contractor shall maintain the complete installations for the 36-month Contract period.

Maintenance implies and shall include monthly preventative maintenance, corrective maintenance, as well as breakdown maintenance on all components of the specified installations.

The maintenance control plan (specified in Clause SA 03) will be developed by the Contractor, to schedule the frequency of routine inspections and format of reports. The Contractor shall carry out inspections on the equipment as detailed in the Technical and Particular Specifications and the maintenance control plan. Each inspection, test or breakdown shall be recorded in an approved format and listed in a quarterly report (part of the maintenance control plan).

## SA.2

As part of repair of each installation, the Contractor shall submit a set of Operating and Maintenance Manuals where applicable. The Contractor shall ensure through training that the operating and maintenance personnel are conversant with the instructions as presented in the Operating and Maintenance Manuals. Continued training shall be included in the scope of maintenance work for the duration of the 36-month Contract, in accordance with Additional Specification SD: General Training.

The Operating and Maintenance Manuals, as approved by the Engineer, shall be used as a basis of preventative maintenance. The Contractor shall perform all preventative and corrective maintenance as described in the Operating and Maintenance Manuals. This shall be in accordance with the Technical and Particular Specifications.

The Contractor shall, as part of his maintenance responsibilities repair or replace faulty equipment upon logging of a breakdown, within the down-time as defined in Clause SA 05.02 at the Contractor's cost, except in the event of replacement being labelled as exceeding liability as specified in Clause SA 02.03, in which case the Department of Public Works will bear part of the costs.

The Contractor shall not claim additional establishment costs where repair work is to be carried out during the maintenance phase.

The Contractor shall rectify any faulty condition of which he becomes aware, even if it has not been logged. Such rectification shall also be logged and listed in the quarterly report.

### SA 02.02

#### **CONDITIONS FOR EXCEEDING THE CONTRACTOR'S LIABILITY DUE TO OPERATIONAL DAMAGE BREAKDOWNS**

Operational damage shall be defined for the purpose of this clause as being any damage caused on purpose, by accident or through negligence by the User Client's employees, inmates (where applicable), suppliers, subcontractors, etc for any reason whatsoever. Where repair work is necessitated during the contract as a result of operational damage caused by User Clients or their associates, the Contractor will be requested to:

- (a) perform work, using rates bid for the supply, delivery and installation of material forming part of the repair work schedule, within the maximum down-time allowed for operational damage, where the Engineer rules that the damage has been caused by incorrect operation;
- (b) submit one (1) quotation for repair and/or replacement of the damaged unit, where rates bid are not available and where the Engineer rules that the damage caused is operational;
- (c) perform the work on receipt of an order from the Engineer, within the time offered as part of the quotation,
- (d) notify the Engineer well in advance of completion of the repair work in order to enable inspection, and
- (e) refrain from claiming additional establishment costs for such work.

The responsibility of determining whether damage to the installation was caused by people other than employees or associates of the Contractor shall rest with the Engineer.

Operational damage caused by the employees, suppliers, subcontractors, etc of the Contractor, shall be repaired by the Contractor at his own cost.

**SA 02.03      CONDITIONS FOR EXCEEDING THE CONTRACTOR'S LIABILITY ABOVE MARGINAL BREAKDOWN COST**

In the event where the cost for the repair or replacement of any single component/subassembly where a breakdown has occurred due to a single failure, or where the cost for replacing a single item of equipment completely, exceeds the value of R15 000,00 (transport, accommodation and travelling cost excluded), the liability of the Contractor is limited to the value of R15 000,00. The additional cost above the value of R15 000,00 will be paid for by the Employer provided that conditions 1, 2 and 3 below have been met.

1. The defective part/component/subassembly or machine must be identifiable as a single subassembly or component and not the total of a number of small defects or breakdowns on subassemblies/components on any one or more machines.

Examples of subassemblies/components are the following:

- (a) Should the wiring or bearings on an electric motor fail, the complete motor must be removed for repairs and the cost for the repairs on the complete motor will be regarded as repairs on a single subassembly/component.
  - (b) A starter motor, for example, is a subassembly, which can be removed from the machine for repairs. The repairs on the starter motor together with the repairs on the main bearings will not be regarded as a repair on a single subassembly/component. If the complete diesel engine is replaced with its associated subassemblies the replacement of the complete unit will be regarded as a single component.
  - (c) A pump as a whole is regarded as a single component. The pump and driving machine on long coupled pumps are regarded as separate subassemblies. Pumps and motors on close-coupled equipment are regarded as a single component. The pump and motor of a sump pump are therefore regarded as a single component.
  - (d) Control equipment for the control of a single item, with the sensing device, the controller itself and the final controlled variable are regarded as a single component of the system. The repairs on any one item on a controller have an influence on the rest of the control equipment and must after the replacement be commissioned again as a unit.
2. The Contractor shall submit a written report to the Engineer for approval. This report shall contain the following information:
    - (a) The make and model number of the machine serviced/inspected/ repaired/replaced;
    - (b) The identification number of the machine;
    - (c) A description or name and part number of the defective part/component or subassembly;
    - (d) A statement on whether the component could be repaired, together with a cost estimate;
    - (e) A quotation valid for a minimum period of 60 days if the component/part/subassembly has to be replaced or repaired by an outside firm. If the subassembly/machine is to be repaired or replaced by an outside company, the Contractor shall supply one (1) quotation for such parts/repairs or a quotation from any sole supplier. Only an original quotation will be accepted. The mark-up on such work shall be a

#### SA.4

percentage as bid and shall be applicable to the total cost (VAT excluded) of repair work by outside companies;

- (f) The expected urgency for the replacement or repairs, and
  - (g) The delivery time of a new component/subassembly/machine or delivery times on spares required to repair the defective component/ subassembly.
3. A written approval to proceed with the work must be issued by the Department. Copies of the original VAT invoices from outside companies for all repairs or spare parts supplied must be attached to the Contractor's invoice.

#### **SA 02.04**

#### **COMPONENTS INCLUDED IN MAINTENANCE SCOPE**

The main sections of a facility with their subsections are as set out in the Technical Specifications and Particular Specifications where applicable and in the Bill of Quantities and will each be deemed "an installation". Maintenance, as specified, will be applicable to all of these installations.

Maintenance in such is to cater for all work under installations till completion of the installation is approved by engineer.

Installation A: Medium A Kitchen Infrastructure

Installation B: Old Medium A Communal Cell Block

Installation C: Civil Infrastructure, External water reticulation related repair work

Installation D: Structural components

#### **SA 02.05**

#### **COMMENCEMENT OF MAINTENANCE PERIOD**

Maintenance responsibilities for an installation prior to practical completion of repair work shall include maintenance of all individual units, equipment or components thereof, for which no repair work is required (as per the contract document) or for which the repair work has not yet started, and shall commence with access to the installation.

Where access to an installation has been given but the commencement of repair work is delayed, then the maintenance responsibilities in such cases will consist of keeping the entire installation in the condition it is in by for example, fixing leaks without replacing pipework or opening a blocked pipeline without further altering or inspecting such pipes.

The Contractor shall accept full maintenance responsibilities for each completed installation upon issue of a Certificate of Practical Completion for repair work of that installation.

A difference shall be made in payment for maintenance prior to and after practical completion of repair work.

The preliminary construction programme shall differentiate between commencements of maintenance on various installations.

**DEFINITIONS****(a) Routine preventative maintenance**

This entails the rendering of services and servicing of equipment according to a predetermined maintenance control plan to:

- (i) replace and service components of equipment, units or parts thereof for each installation at prescheduled moments regardless of condition;
- (ii) readjust, reset, clean, corrosion protect all components of equipment, units or parts thereof for each installation, and
- (iii) carry out all implied actions to maintain installations in their present functional condition.

Preventative maintenance shall be aimed at minimization of breakdowns.

**(b) Corrective maintenance**

This entails regular observation of the equipment, identifying pending breakdowns, maladjustment or anomalies of equipment, units or parts of installations and subsequent action to restore installations to the functional condition as before the breakdown.

**(c) Breakdown maintenance**

This entails repair and/or replacement of defective equipment, units or parts of installations following a breakdown that leaves the installation inoperable or unsafe, and subsequent action to restore installations to their normal functional condition, within the maximum down-time allowed.

**(d) Immediate response repairs**

These repairs are defined as repair work required where no breakdowns are allowed at anytime in terms of the Technical Specifications.

**(e) Emergency maintenance repairs**

These repairs are defined as any work required to rectify an emergency breakdown that disables a complete installation and prevents it from functioning to its designed service level.

**(f) Ordinary maintenance repairs**

These repairs are defined as all maintenance work required other than emergency maintenance repairs.



(g) **Fatal breakdown**

Fatal breakdown is defined as an occurrence when an installation or a specified part thereof fails to operate for any period of time other than during the execution of routine preventative and corrective maintenance activities.

**SA 02.07 SITE MAINTENANCE RECORD KEEPING**

The Contractor shall provide and maintain hard-cover A4 maintenance files for each installation for the duration of the Contract. All schedules, checklists, breakdown reports, preventative maintenance records, component replacement records and quarterly reports shall be filed, together with information regarding repairs exceeding the Contractor's liability, as set out in SA 02.02 and SA 02.03.

Site maintenance records shall be submitted at each monthly meeting.

**SA 02.08 SUPPLY OF LABOUR, EQUIPMENT AND MATERIAL**

(a) **Labour**

Competent personnel that have been trained by the Contractor, in accordance with Additional Specification SD: General Training shall execute all maintenance work.

(b) **Equipment**

All tools and equipment and consumables required for maintenance work shall be supplied by the Contractor at his cost (except where otherwise provided).

(c) **Material**

All material, spare parts, components, equipment and appurtenances necessary for the complete maintenance of each installation shall be supplied and installed by the Contractor at his cost, to a maximum value per part/subassembly as specified in Subclause SA 02.03 for exceeding Contractor's Liability.

Materials as provided for in the Bill of Quantities, shall be supplied and delivered by the Contractor at the rates bid upon order of the Engineer only, and shall be free-issued to the User Client for own use. The Contractor shall inform the Engineer of all scheduled deliveries to arrange official hand-over with the User Client.

The Contractor shall cede any supplier's or factory guarantee of repaired or replaced components to the Employer to ensure that such guarantees are not jeopardised in any way. All workmanship, materials and components used for breakdown repair shall be guaranteed for three (3) months.

**SA 02.09 IDENTIFICATION OF EQUIPMENT**

A unique identification number will be allocated only to each mechanical equipment item forming part of the installation. This identification number will be allocated and administered in collaboration with the User Client and must be described in the maintenance control plan.

Reference shall be made to identification numbers in the maintenance control plan, operating and maintenance manuals and during all maintenance activities, including the logging of breakdowns and other correspondence. Identification numbers shall also be indicated on as-built drawings.

**SA 03      MAINTENANCE CONTROL****SA 03.01      SCOPE**

Maintenance quality control shall be the responsibility of the Contractor who shall introduce a maintenance control plan to assist him in ensuring that preventative, corrective and breakdown maintenance are performed as described in the operating and maintenance manuals and Technical and Particular Specifications.

**SA 03.02      PRELIMINARY MAINTENANCE CONTROL PLAN**

A preliminary version of the maintenance control plan shall be submitted with the programme and the framework of the preliminary version shall be as close as possible to that of the final maintenance control plan as specified in SA 03.03 below. Detail contained in this preliminary maintenance control plan shall include:

- (a) Actual time that a representative of the Contractor will be present on Site for the duration of the maintenance period;
- (b) the scope and frequency of routine inspections
- (c) repair methodology
- (d) details of training plan to be implemented in accordance with Additional Specification SD

**SA 03.03      MAINTENANCE CONTROL PLAN**

- (a) The maintenance control plan shall be based on the Contractor's preliminary maintenance control plan, and shall be bound in a neat, A4-sized, ring-bound document with a cover page and back cover. The contents of the document shall be indexed.

In drawing up the document, the Contractor may reproduce relevant paragraphs and clauses from any of the specifications forming part of the Contract documents, but should there be any discrepancies between such clauses and paragraphs in the maintenance control plan and those in the Contract documents, those in the Contract documents shall be regarded as being correct and shall apply.

- (b) To ensure that the Engineer is satisfied that the Contractor understands the purpose and advantage of carrying out maintenance work according to a maintenance control plan he shall, as an introduction to the control plan document, set out his views as to what he believes the implementation of a maintenance control plan will achieve.
- (c) The maintenance control plan shall also contain the following:
  - (i) A summary of the repair and maintenance work to be carried out under the Contract giving details of the conditions of the various installations at the facility(ies) affected by the activities under the Contract. The Contractor shall bear in mind that maintenance work may have to be carried out before the repair phase of the installation has been entirely completed and the summary mentioned above shall therefore differentiate between maintenance work before and after the repair phase has been completed.

## SA.8

- (ii) Details of how the Contractor intends to carry out the various types of maintenance work especially breakdown maintenance should breakdowns occur.
  - (iii) Details of how the call centre works, as specified in clause SA 04 as well as all statistics of breakdowns, leakages, blockages, etc. available from the call centre for the installation and the age of the installation that has been taken into account in compiling the contents of the maintenance control plan.
  - (iv) A list of organisations and persons directly involved with the Contract or whose requirements have to be taken into account during the entire Contract Period such as the Department of Public Works, the User Client, the Consulting Engineer, the Contractor, the Local Authority, etc. Each person's position within his organisation as well as the applicable phone numbers shall be given.
  - (v) Details of monthly meetings to be held with the Department of Public Works, the User Client, Contractor and Engineer;
  - (vi) Reports to be submitted after every routine inspection (all reports, checklists, breakdown records, score card results, etc. for each system of an installation shall be kept on the site in a hard cover file);
  - (vii) Procedures to address complaints and logged breakdowns;
  - (viii) Details of quarterly reports, summarising all inspections, together with inspection data such as nature of test, names of persons carrying out tests and inspection results. Detail of repairs and replacements, together with testing of repaired equipment shall also be reflected in this report, and
  - (ix) Assistance to be given by the Engineer with decisions regarding material, equipment and other recommendations.
- d) The codes of practice as set out in ISO 10006 and ISO 9004 for quality systems and management shall be used as a guideline for compiling a maintenance control plan. ISO accreditation is not a requirement in terms of this Contract.
- (e) The maintenance control plan shall be upgraded when its contents are no longer representative of actual conditions.
- (f) The Contractor shall check the contents of existing Operating and Maintenance Manuals (if available) and shall update or modify them and then incorporate applicable data into his own manuals. Where no manuals exist, the Contractor shall draw up his own Operating and Maintenance Manuals.

Pertinent data contained in the Operating and Maintenance Manual may be transferred to the Maintenance control plan to make it a document which can be used as an independent handbook for maintenance work.

The Contractor is referred to the contents of paragraph (a) above regarding the reproduction of data, as this shall also be applicable to data reproduced from Operating and Maintenance Manuals.

## **SA 04      COMMUNICATION**

The maintenance control plan (Clause SA 03) will provide, after agreement between the Contractor and the Engineer, for the following communication and complaint logging procedure:

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- (a) The Contractor shall establish a telephone and fax line and a cellular telephone connection to ensure that he can be reached at any time.
- (b) The Contractor shall primarily be responsible for determining the items requiring preventative, corrective and breakdown maintenance, and shall communicate this information directly to his maintenance workforce.
- (c) Should the Engineer or operating personnel of the User Client determine or suspect that preventative, corrective or breakdown maintenance is required, a call shall be logged through the call centre to reach the Contractor as soon as possible.
- (d) Reaction times will be as described in Clause SA 05.02.
- (e) All complaints of the User Client shall be reported to the Engineer via the call centre, as set out in the maintenance control plan, and the Engineer shall issue instructions to the Contractor. The breakdown registration form will be completed and faxed to the Contractor. After the Contractor has attended to the complaint, the Engineer will provide feedback to the call centre both telephonically and via fax. The breakdown close out form shall be completed by the Contractor and faxed to the Engineer as soon as the breakdown is repair by the Contractor.

The call centre logs the details of the Engineer's call and provides feedback to the complainant.

Reference shall also be made to Clause PS 7.12 of Portion 1 of the Project Specifications as well as to Additional Specifications SG regarding the Call Centre.

## **SA 05 PERFORMANCE MEASUREMENT**

The Contractor's performance shall be measured against the following parameters:

### **SA 05.01 SPECIAL TESTING OF AN INSTALLATION**

The Engineer may at any time inspect any part of the entire installation. During Maintenance work, the Engineer shall at his discretion order special tests to be carried out on complete installations at intervals of not less than four months, to verify the satisfactory functional condition of the installation.

The Engineer reserves the right to select at random component equipment and trade practices to be tested by independent authorities for compliance with specifications as specified in this Contract document.

The Contractor shall provide all equipment, tools and instruments required for testing.

### **SA 05.02 MAXIMUM MAINTENANCE DOWN-TIME**

After a complaint has been logged and forwarded to the Contractor, the Contractor shall be expected to minimise the maintenance down-time until the system component is fully operational to the satisfaction of the Engineer. Should the Contractor not respond within the maximum down-time, the Engineer may arrange, at the cost of the Contractor, for the necessary repair work to be done by others.

The Contractor shall respond to a breakdown registration by travelling to Site to evaluate the breakdown (scope of repair work), estimate the realistic downtime and provide feedback to the Engineer.

SA.10

Should the Contractor not be able to complete the required repair work within the maximum down-time period allowed, it shall be his responsibility to obtain extension of down-time from the Engineer. The written report shall clearly state the reasons for the extension, as well as the actual extension required.

Extension of down-time will only be granted by the Engineer if:

- (a) the maximum down-time is unreasonable in relation to the scope of the repair work required;
- (b) the delivery time of a new component/subassembly/machine or spares required for the repair of the defective component/subassembly does not enable the Contractor to successfully complete the repair work within the maximum breakdown down-time allowed.

Should the actual down-time exceed the maximum down-time the Contractor shall be liable to a payment reduction for the difference between actual down-time and maximum down-time. This is reflected in the table below:

<b>REQUIRED MAINTENANCE</b>	<b>MAXIMUM DOWN-TIME ALLOWED</b>	<b>PAYMENT REDUCTION IF EXCEEDED</b>
Fatal breakdown (where specified)	Zero (immediate response)	R2 500/hour
Emergency Breakdown	24 hours	R2 500/day
Ordinary Breakdown	7 days	R500/day
Operational damage repair	7 days	R500/day

"Maximum down-time" shall mean the period of time allowed to repair a breakdown, and "actual down-time" shall mean the measured period from the instant when the breakdown was logged with the Contractor until the installation has been repaired to its functional specification.

**SA 05.03**

**PERFORMANCE-BASED PAYMENT**

Remuneration for all value-related as well as all time-related preliminary and general charges shall be deemed included in the monthly maintenance payments for the various installations.

**SA 05.03.01 Score-card**

The Engineer will inspect each installation monthly after Practical Completion of the repair phase of the installation. The Engineer will use a score-card to measure the quality of preventative and corrective maintenance rendered by the Contractor during the preceding month, on all components that form part of the installation, in accordance with the maintenance specifications. The Engineer will record his inspection directly onto the score-card. The score-card shall serve to evaluate ten performance indicators each month in the manner set out below.

The Contractor shall always have the opportunity to score the maximum points, provided that his preventative and corrective maintenance work comply with the Specifications. The Employer will therefore be protected against a reduced or unsatisfactory service level and may refuse payment on such points.

**SA 05.03.02 Performance indicators**

Performance indicators shall be selected to measure the Contractor's service level of preventative and corrective maintenance.

The Contractor and the Engineer shall each have the opportunity to select five (5) performance indicators each month, which shall focus on the measurement of maintenance quality against the relevant specifications for the ensuing month. All ten (10) performance indicators are known to both the Engineer and the Contractor.

The Contractor shall aim to perform satisfactorily on all ten performance indicators. All indicators shall be selected from the scope of his normal preventative and corrective maintenance work and shall be based on the maintenance control plan and operating and maintenance manuals. The work shall either be satisfactory, or unsatisfactory, and the Contractor shall score one (1) or zero (0) respectively per indicator.

Performance indicators shall be used to focus on certain key aspects of the work and shall in no way limit the Contractor's responsibility to do all the required work.

**SA 05.03.03 Satisfactory performance**

The Engineer shall inspect the site on an arbitrary day to measure the quality of maintenance against the ten selected performance indicators. Should the Contractor score the maximum points (10) he shall receive his full maintenance payment for the installation. Should the quality of preventative maintenance, or components requiring persistent corrective maintenance be unsatisfactory according to the score-card, the Contractor may fail to achieve full payment due to a reduced service level. Each monthly payment for maintenance shall be subject to evaluation based on the score-card.

A copy of the score-card including a guideline for the use thereof is included in this Specification.

**SA 06 MEASUREMENT AND PAYMENT**

**SA.01 MAINTENANCE OF A COMPLETED INSTALLATION ..... Unit: point**

The unit of measurement shall be a point. Each month shall represent a maximum of ten points and a minimum of zero points, depending on the performance and quality of maintenance. Ten points per month, determined by using the rate bid per point, shall include full compensation for all liabilities and obligations described or implied in the Contract document and deemed by the Contractor to be applicable to the maintenance phase of the Contract, for the complete monthly maintenance of an entire installation after practical completion of repair work, and all appurtenant works deemed to form part thereof, as defined in the relevant Technical or Particular Specifications.

The combined rate bid for ten points (which shall not be less than 10% of the total Bid Sum) shall also include full compensation for complete preventative, corrective and breakdown maintenance (as defined in this General Maintenance Specification), including full compensation for all costs related to resetting, repair, procurement, supply, delivery, replacement, protecting, furnishing, installing, testing and commissioning of all items and material required to maintain the complete installation in a perfect functional condition. The only items not to be included in the rate for monthly maintenance points are:

1. Supply, delivery, installation and testing of special equipment/materials that will be measured elsewhere, and
2. Special testing of an installation.

Different installations have been listed in the Bill of Quantities, in accordance with the definition of each installation.

Although ten points per month shall include full compensation for preventative, corrective and breakdown maintenance, the Contractor might fail to achieve all points applicable in the event of unsatisfactory performance, in which case he shall still perform all maintenance requirements according to specification, but at his own cost where a reduction in points awarded is insufficient to cover his cost.

Remuneration for all value-related as well as all time-related preliminary and general charges shall be deemed included in the monthly maintenance payments for the various installations.

**SA.02 MAINTENANCE OF AN INSTALLATION PRIOR TO PRACTICAL COMPLETION ..... Unit: point**

The unit of measurement shall be a point. Each month shall represent a maximum of ten points and a minimum of zero points, depending on the quality of maintenance. Ten points per month determined by using the rate bid per point, shall include full compensation for the monthly maintenance of an incomplete installation until practical completion of the repair work thereof.

The combined rate bid for ten points (which shall not be less than 10% of the total Bid Sum) shall include full compensation for preventative, corrective and breakdown maintenance (as defined in this General Maintenance Specification) of all units, equipment and/or components thereof that require no initial repair work in terms of the complete installation. As repair work progresses, maintenance responsibilities shall be extended to include those units, equipment or parts thereof that have been serviced, repaired or reconditioned.

Different installations have been listed in the Bill of Quantities, immediately below maintenance of a completed installation. The total number of points for maintenance of a completed installation plus maintenance of the same installation prior to practical

completion shall be 360.

Although ten points per month shall include full compensation for preventative corrective and breakdown maintenance, the Contractor might in the event of unsatisfactory performance fail to achieve all points applicable, in which case he shall still perform all maintenance requirements according to specification, but at his own cost where a reduction in points awarded is insufficient to cover his cost.

**SA.03            ADDITIONAL TESTS:**

**SA.03.01        Where ordered by the Engineer .....Unit: rand (R)**

**SA.03.02        Charge required by the Contractor on subitem SA.03.01 above .....Unit: %**

An amount has been allowed in the Bills of Quantities to cover the cost of additional tests required by the Engineer. The Engineer will have the sole authority to spend the amount or part thereof under subitem SA.03.01.

The percentage bid under subitem SA.03.02 will be paid to the Contractor on the value of each payment made to the approved testing authority.

**SA.04            PAYMENT REDUCTION DUE TO EXCEEDING OF MAXIMUM ALLOWABLE DOWN-TIME DURING FATAL BREAKDOWN..... Unit: hours**

The unit of measurement shall be the number of hours during which a component of an installation was in a disfunctional condition and required immediate response repairs.

The negative fixed rate shall include full compensation for the User Client's loss in productivity and, multiplied by the number of hours measured, shall be deducted from the certified amount due to the Contractor.

**SA.05            PAYMENT REDUCTION DUE TO EXCEEDING OF MAXIMUM ALLOWABLE DOWN-TIME DURING EMERGENCY BREAKDOWN .... Unit: days**

The unit of measurement shall be the number of days, in excess of 24 hours, during which a component of an installation was in a disfunctional condition that required emergency repairs.

The negative fixed rate shall include full compensation for the User Client's loss in productivity and, multiplied by the number of days measured, shall be deducted from the certified amount due to the Contractor.

**SA.06            PAYMENT REDUCTION DUE TO EXCEEDING OF MAXIMUM ALLOWABLE DOWN-TIME DURING ORDINARY BREAKDOWN .....Unit: days**

The unit of measurement shall be the number of days, in excess of 7 days, during which a component of an installation was in a disfunctional condition that required ordinary repairs.

The negative fixed rate shall include full compensation for the User Client's loss in productivity and, multiplied by the number of days measured, shall be deducted from the certified amount due to the Contractor.

**SA.07            PAYMENT REDUCTION DUE TO EXCEEDING OF MAXIMUM ALLOWABLE DOWN-TIME DURING OPERATIONAL DAMAGE**



**BREAKDOWN**..... Unit: days

The unit of measurement shall be the number of days, in excess of 7 days, during which a component of an installation was in a disfunctional condition that required ordinary repairs.

The negative fixed rate shall include full compensation for the Client's loss in productivity and, multiplied by the number of days measured, shall be deducted from the certified amount due to the Contractor.

**A.08            UPDATING EXISTING OPERATING AND MAINTENANCE MANUALS:**

**SA.08.01        Description of installation**..... Unit: sum

**SA.08.02        etc. for other installations**

The unit of measurement shall be the sum of money needed to update the manuals for each installation. The rate bid shall include full compensation for checking the information in the manuals of each installation, for the necessary research, for drawings and diagrams, for all instructions or procedures that have to be drawn up and editing that has to be performed and for all else necessary to provide seven copies (one set) of the updated manuals all in accordance with additional specification SB.

**DEPARTMENT OF PUBLIC WORKS  
MAINTENANCE SCORE-CARD**



**CONTRACT NUMBER: WCS** \_\_\_\_\_

**CONTRACT:** \_\_\_\_\_

**CONTRACTOR:** \_\_\_\_\_

**ENGINEER:** \_\_\_\_\_

**INSTALLATION:**  **MONTH:**   **OF 36**

The following components of the installation were selected by the contractor at the Monthly Maintenance Meeting nr.   as performance indicators to be tested according to specification:

**1. CONTRACTOR'S SELECTION**

- 1.1 \_\_\_\_\_
- 1.2 \_\_\_\_\_
- 1.3 \_\_\_\_\_
- 1.4 \_\_\_\_\_
- 1.5 \_\_\_\_\_

0	1

**SUBTOTAL:**

The following components of the installation were selected by the Engineer as performance indicators to be tested According to specification:

**2. ENGINEER'S SELECTION**

- 2.1 \_\_\_\_\_
- 2.2 \_\_\_\_\_
- 2.3 \_\_\_\_\_
- 2.4 \_\_\_\_\_
- 2.5 \_\_\_\_\_


**SUBTOTAL:**

**TOTAL SCORE:**

--	--

D	D	/	M	M	/	Y	Y
---	---	---	---	---	---	---	---

\_\_\_\_\_  
**Engineer's Representative**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

## **GUIDELINE FOR THE USE OF THE MAINTENANCE SCORE-CARD**

The score-card and performance indicators must be used as a maintenance management tool. The aim with each score-card is to ensure that:

- (a) the project focuses on key aspects of maintenance per month;
- (b) the Contractor receives payment for his work, and
- (c) the Employer receives value for money and a sustained high level of service.

Performance indicators must be selected to measure the Contractor's service level of preventative and corrective maintenance that will be based on the Maintenance Control Plan and the Operating and Maintenance Manuals (containing information specified in the Contract documentation).

For each specific installation, different performance indicators must be defined each month based on the content of the maintenance in relation to the scope of maintenance work per installation and must be based on the Contractor's service level record on preventative and corrective maintenance.

Breakdowns must be dealt with if and when necessary by logging of the breakdown and monitoring the downtime.

The Contractor and the Engineer must agree on all performance indicators at an occasion prior to the month during which the Contractor's performance (service level of maintenance) will be measured.

**ADDITIONAL SPECIFICATION****SB OPERATING AND MAINTENANCE MANUALS****CONTENTS**

SB 01	SCOPE
SB 02	PROCEDURE FOR SUBMISSION OF MANUALS
SB 03	FORMAT OF OPERATING AND MAINTENANCE MANUALS
SB 04	CONTENTS
SB 05	MEASUREMENT AND PAYMENT

**SB 01 SCOPE**

The Contractor shall be responsible for the compilation of complete sets of Operating and Maintenance Manuals. A separate Operating and Maintenance Manual shall be supplied for each installation where required and as defined in the Additional Specification SA: General Maintenance.

**SB 02 PROCEDURE FOR SUBMISSION OF MANUALS****SB 02.01 SUBMISSION OF DRAFT MANUALS**

A draft copy of each Operating and Maintenance Manual shall be submitted to the Engineer prior to safety inspection of the installation. Approval of the draft Operating and Maintenance Manuals shall be a prerequisite for commencement of the safety inspection in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

Where an installation has an existing Operating and Maintenance Manual, the Contractor shall check whether its contents are still applicable and accurate. When drawing up his own Operating and Maintenance Manual for the installation, the Contractor shall incorporate there in all such existing applicable data. The existing Operating and Maintenance Manual shall then be disposed of provided written permission to do so has been obtained from the Engineer.

The manuals will be reviewed and checked by the Engineer and returned to the Contractor with comments, where necessary. The Contractor shall make the necessary changes and amendments to the manuals to incorporate the Engineer's comments.

**SB 02.02 DEVELOPMENT OF FINAL MANUALS**

A final draft copy of each Operating and Maintenance Manual shall be submitted to the Engineer at least one week prior to commencement of Day 1 tests on commissioning. This set of manuals will not be accepted without the Contractor's verification of the information contained in the manuals and the professional language

editing thereof. The Engineer shall return the manuals to the Contractor, who shall make the final corrections. The Engineer will, however, not be responsible for the quality control on manuals. Approval of final Operating and Maintenance Manuals shall be a prerequisite for issuing of a Certificate of Practical Completion for repair of the installation.

After the Engineer has approved the final Operating and Maintenance Manuals, the Contractor shall provide the Engineer with seven (7) sets of the manuals. Approval of the final Operating and Maintenance Manuals shall be a prerequisite for issuing of a Certificate of Completion.

**SB 03**      **FORMAT OF OPERATING AND MAINTENANCE MANUALS**

- (a) Manuals shall be bound in hardcover lever-arch files with plastic coatings. The files shall be clearly labelled on the front cover, as well as on the back band, with the following information:
  - (i) The title "Operating and Maintenance Manuals"
  - (ii) Name of the installation (as defined in Additional Specification SA: General Maintenance)
  - (iii) Name of the contract and contract number
  - (iv) The Contractor's name, address and contact telephone number and fax (logo optional)
  - (v) Month and year in which the manuals are finally handed over to the Employer
  - (vi) Name of the User Client
- (b) Pamphlets and bound leaflets/booklets from suppliers or manufacturers shall be placed in plastic pockets.
- (c) Drawings and diagrams larger than A3 shall be folded and placed in plastic pockets to be easily removed or stored.
- (d) The sections of the manuals specified below shall be clearly partitioned.
- (e) Cross-referencing between drawings/diagrams and text shall be in a clear and consequent format.
- (f) The Operating and Maintenance Manuals shall be supplied in English.
- (g) An electronic copy of the final manual shall be handed to the engineer upon approval of the operation and maintenance manual.

**SB 04**      **CONTENTS****SB 04.01**      **TABLE OF CONTENTS**

The table of contents shall appear on the second page and shall consist of the headings of the various sections in the manual and the relevant page numbers.

The table of contents shall essentially contain at least the following:

1.     Introduction
  - 1.1    Scope of the manual
  - 1.2    General arrangement of the manual
  - 1.3    Description of installation
  - 1.4    Specifications
2.     List of drawings and diagrams
3.     Parts and components
4.     Operating procedures
5.     Maintenance
  - 5.1    Purpose of maintenance
  - 5.2    Preventative maintenance
  - 5.3    Trouble-shooting
6.     Breakdown maintenance and repair
7.     List of Appendices.

**SB 04.02**      **INTRODUCTION**

The introduction shall contain at least the following:

**SB 04.02.01**      **Scope of the manual**

A summary shall explain the scope of the contents.

**SB 04.02.02**      **General arrangement of the manual**

A brief description shall explain the way in which the manual is arranged.

**SB 04.02.03**      **Description of installation**

This section shall give a functional description of the complete installation covered by the manual, including all systems and/or functional units deemed to form part thereof, as defined in Additional Specification SA: General Maintenance.

**SB 04.02.04 Specifications**

A summary shall be given of the specifications applicable to the particular part of the Contract.

**SB 04.03 DRAWINGS AND DIAGRAMS****SB 04.03.01 Mechanical flow diagrams (MFDs) and single line diagrams**

Mechanical flow diagrams (for mechanical systems) or single line diagrams (for electrical systems) of the system and/or functional unit shall be included in the Operating and Maintenance Manuals for easy reference by the operators of the installation. Diagrams shall be drawn not only for parts of an installation that have been repaired, but also for the complete installation, including all the components.

**SB 04.04 PARTS AND COMPONENTS****SB 04.04.01 Equipment data sheets**

A data sheet shall be drawn up for each piece of equipment and/or machine forming part of the installation and shall contain the following information:

- (a) Equipment tag number
- (b) Equipment description
- (c) Model/make/manufacture
- (d) Supplier/Reconditioning details
- (e) Ordering details
- (f) Details of fixed components
- (g) Details of lubrication
- (h) Maintenance references (refer to supplier/reconditioning technical manual).

**SB 04.04.02 Technical equipment manuals**

For each piece of equipment and/or machine forming part of the installation the following information shall be included in this section of the Operating and Maintenance Manuals:

- (a) the supplier or reconditioning manual and/or standards of operating and maintenance instructions;
- (b) illustrated parts breakdown and/or group assembly drawings as agreed with the Engineer;
- (c) parts lists and data sheets, including all characteristic curves for machines indicating operation point, efficiency, power consumption, etc;
- (d) calibration charts, and
- (e) test certificates for hydraulic pressure tests, flame-proof grading, materials, non-destructive examinations, coating and lining details, etc.

Each detailed description shall be accompanied by a set of engineering drawings. From the drawings the functionality of each part or component used, as well as the special characteristics associated with the part or component shall be very clear.

**SB 04.04.03 Parts and components list**

A detailed description shall specify all the parts and components used for the duration of the Contract. This description shall include new parts and components, as well as existing parts and components that have either been reconditioned or used as specified in the Contract.

The description shall state at least the part or component number, part or component name, the size of the part or component, an explanatory description, the quantity used, the material of which the part or component is made, the coating (if any), date of purchase, as well as any relevant remarks as to the application thereof.

Details of the manufacturer of the part or component shall also be listed. This shall at least state the name, address, telephone number, fax number and name of a contact person.

The supplier of the part or component shall also be stated and shall include at least the name, address, telephone number, fax number, name of a contact person and an alternative supplier (if available).

**SB 04.04.04 Drawings**

Drawings shall contain a descriptive heading, an explanatory key and relevant comments. Drawings shall be done on a computer-aided design package approved by the Engineer.

A compound drawing for all subassemblies shall clearly indicate how and where the various parts fit in the subassembly. The compound drawing shall be linked to the equipment data sheets and parts and components list and shall clearly specify the parts or components used, their model numbers, their sizes and the quantities used. The compound drawings shall also be accompanied by a short description explaining the workings of the subassembly, as well as the assembly of the parts or components to complete the subassembly.

**SB 04.05 OPERATING PROCEDURES**

The operating instructions shall be a step by step description of the manual start-up and shut-down procedure for every piece of equipment and/or process reconditioned, repaired or supplied with references to the MFDs. For automatic operation the operators shall be referred to the automatic control manual (if applicable).

The functioning of the installation shall be clearly described, using a flow diagram depicting the interrelationships among the various subassemblies. The subassemblies shall be described by descriptive drawings.

Each mechanical or process flow diagram shall contain at least a heading, relevant comments and a key.



Every subassembly shall also have its own flow diagram explaining the operation of the subassembly, as well as the application of each part and component. The application of the subassembly shall also be very clear. The flow diagram shall consist of at least a heading, relevant comments and an explanatory key.

A detailed description shall be given of all operational systems forming part of the installation, explaining the operation and functioning of the system and the number of operations personnel required for performing the operation successfully.

The preparations, which are required before the system can be operational, shall be clearly stated and explained.

The operation tasks shall be clearly explained with reference to dangerous situations that might occur. Hazardous operations shall be explained in great detail and cover all the applicable safety precautions.

**SB 04.06**      **MAINTENANCE**

**SB 04.06.01**    **Purpose of maintenance**

The maintenance process shall be explained and the main responsibilities described.

**SB 04.06.02**    **Preventative maintenance**

A preventative maintenance and lubrication schedule shall be included in this section. This schedule shall be in table format and shall include a summary of all the maintenance actions required for each different system and/or functional unit covered by this manual, in order to give a single summary of all routine preventative maintenance actions required for the complete installation.

The schedule shall indicate daily, weekly, fortnightly, monthly and yearly maintenance actions. A lubrication schedule summary shall also be included under this section.

The frequency of routine preventative maintenance actions shall be indicated very clearly.

The Contractor shall provide the maintenance requirements as prescribed by the manufacturer. The type of maintenance shall be clearly indicated. The description of the maintenance to be performed shall include at least the part name, location of the part in either the assembly or subassembly, the model number, the quantity of the particular part or component to be maintained, the type of maintenance, and notes on the maintenance procedure.

A brief description shall accompany the maintenance schedule, indicating special tools to be used, maintenance and test equipment required for the test procedures. Any special tools necessary for maintenance shall be specified in terms of name, model, size, manufacturer, supplier (name, telephone number, fax number, contact person), coating (if any) and notes on the use of the equipment.

Remarks on the system readiness checks of each subassembly shall be explained in detail. Routine inspection and maintenance processes shall be described. It shall be

very clear what needs to be done, how to perform the necessary task and any dangers that are present.

**SB 04.06.03 Trouble-shooting**

An explanation shall be given to assist the maintenance personnel in analysing and resolving malfunctions that might occur. Various scenarios with possible causes and rectification procedures shall be explained.

The scenarios shall be accompanied by drawings indicating the position of the part that is faulty. Each of these drawings shall have a heading, comments and an explanatory key.

**SB 04.07 BREAKDOWN MAINTENANCE AND REPAIR**

The Contractor shall describe the complete procedure to be followed in the event of a breakdown. It shall be very clear what the operating personnel should look for, how to eliminate any dangers due to the breakdown (eg electricity must be shut off in the event of problems with the wiring) and who should be contacted. The Contractor shall supply the names and telephone numbers of at least two contact persons who may be contacted in the event of a breakdown.

The Contractor shall refer to Additional Specification SA: General Maintenance, to determine the reaction time for the repair to the breakdown.

Repair instructions shall provide the maintenance personnel with detailed instructions for the removal and/or replacement of any item requiring replacement due to malfunctioning. Contact numbers shall also be given to assist maintenance personnel, should a breakdown occur.

The Contractor shall specify the actions expected of maintenance personnel in the event of a breakdown.

The Contractor shall also specify the testing procedures to be followed before the system can be put into operation again. Every procedure shall be described clearly and all the potential dangers pointed out, as well as the precautions that have to be taken.

The testing procedures shall be accompanied by drawings illustrating the process to be performed. Every drawing shall have a heading, comments and an explanatory key.

**SB 05 MEASUREMENT AND PAYMENT**

**SB.01 COMPILE AND SUPPLY A COMPLETE SET OF OPERATING AND MAINTENANCE MANUALS .....Unit : sum**

The unit of measurement shall be a sum for each complete set (seven copies) of Operating and Maintenance Manuals. Operating and Maintenance Manuals for different installations shall be measured separately in the Schedule of Quantities.

The tendered sum shall include full compensation for all technical research, gathering of information, compilation of manufacturer's instructions, compilation of drawings and diagrams, and for writing of all the descriptions, instructions and functional procedures, as well as language editing, in order to provide a clear and correct set of Operating and Maintenance Manuals.

The tendered sum shall also include full compensation for all expenses such as paper, copy work, binding and printing necessary for the completion of the manuals.

The tendered sum shall also include full compensation for the compilation of draft sets of operating and maintenance manuals in accordance with the specification, and for incorporation of all comments and corrective requirements.

**SB.02      COMPILE AND SUPPLY A COMPLETE KEY PLAN .....Unit : sum**

The unit of measurement shall be a sum for each complete set (three A0-size copies) of the key plan(s).

The tendered sum shall include full compensation for all expenses such as paper, copy work and printing required for the completion of the key plan.

The key plan shall include and comply with the following:

(a)    Detail ground survey

All services must be shown on a complete key plan as required by the Engineer, including roads, fences, paving, transmission and telephone lines, etc. For sewerage reticulation and stormwater drainage systems the pipe sizes, as well as invert heights must be provided. An effort must be made to trace the routes of these services.

(b)    Survey of buildings

The "footprint" of all the buildings and structures must be surveyed.

(c)    General

All survey data shall be captured in electronic format (DXF).

**SB.03      UPDATE AND REVISE THE EXISTING SET OF OPERATING AND MAINTENANCE MANUALS .....Unit : sum**

The unit of measurement shall be a sum for each complete set (seven copies) of Operating and Maintenance Manuals updated, revised and compiled. Operating and Maintenance Manuals for different installations shall be measured separately in the Schedule of Quantities.

The Contractor shall note that existing manuals may not be to an acceptable standard or may not be available. All manuals that exist will be available to view at the compulsory site inspection.

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The Contractor shall also note that manuals may not necessarily be available in an electronic format.

The tendered sum shall include full compensation for all technical research, gathering of information, compilation of manufacturer's instructions, compilation of drawings and diagrams, and for writing of all the descriptions, instructions and functional procedures, as well as language editing, in order to provide a clear and correct set of Operating and Maintenance Manuals.

The manuals shall also include all new equipment installed under this contract.

The tendered sum shall also include full compensation for all expenses such as paper, copy work, binding and printing necessary for the completion of the manuals.

The tendered sum shall also include full compensation for the compilation of draft sets of operating and maintenance manuals in accordance with the specification, and for incorporation of all comments and corrective requirements.

## **ADDITIONAL SPECIFICATION**

### **SC GENERAL DECOMMISSIONING, TESTING AND COMMISSIONING PROCEDURES**

#### **CONTENTS**

SC 01	SCOPE
SC 02	PHASED REPAIRS AND UPGRADING OF THE INSTALLATION
SC 03	DETAILED COMMISSIONING PROGRAMME
SC 04	COMMISSIONING COMMUNICATION CHANNELS
SC 05	COMMISSIONING RISK CONTROL AND PENALTIES
SC 06	DELAYS TO SCHEDULED SHUTDOWNS
SC 07	MATERIAL AND EQUIPMENT PROCUREMENT AND PROTECTION
SC 08	TESTING OF EQUIPMENT PRIOR TO RECOMMISSIONING
SC 09	TESTING OF MATERIAL AND EQUIPMENT SPECIFICATIONS AND WORKMANSHIP
SC 10	DECOMMISSIONING
SC 11	RECOMMISSIONING, COMMISSIONING AND COMPLETION OF INSTALLATIONS
SC 12	MEASUREMENT AND PAYMENT

#### **SC 01 SCOPE**

This specification encompasses all aspects of the repairs of systems and services that form part of an installation, including the factory and on-site testing, decommissioning, installation and commissioning of all equipment, instrumentation and materials reconditioned, supplied and installed as part of an installation as defined in Additional Specification SA: General Maintenance.

The specified procedures are the minimum requirements to be supplemented by various technical and particular specifications in this document. These requirements shall apply to all commissioning work scheduled as part of the initial repair work on installations, as well as commissioning work that is part of the routine preventive and corrective maintenance.

#### **SC 02 PHASED REPAIRS AND UPGRADING OF THE INSTALLATION**

When an installation consists of parallel systems or components, the complete installation and all its components shall be repaired without taking the complete installation out of commission at any time, unless otherwise specified in the Technical Specifications.

In order to schedule the repairs of an installation, all work shall be done in phases as specified in the Technical Specifications and illustrated in detail on the Drawings. Repairs of each part shall terminate with the successful reconditioning of that part. Each part of the system shall be decommissioned and recommissioned in the sequence specified in the Technical Specifications and on the Drawings.

The Contractor shall install all the necessary temporary specials, spool pieces, supporting frames and brackets to provide a functional link between each repaired and upgraded part of the system and the part of the installation that has not yet been

## SC.2

repaired and upgraded during recommissioning. Electrical and instrumentation Contractors and subcontractors shall ensure that the system remains operational as specified, using either existing or newly installed instruments, cables and controls.

Payment is based on the successful recommissioning of a specific part of the installation.

### **SC 03**      **DETAILED COMMISSIONING PROGRAMME**

No work of any kind on any part of the existing installation shall take place prior to the Engineer's approval of a detailed commissioning programme. This programme shall be submitted in addition to the general programme for planning and monitoring contract progress, at least two weeks prior to any programmed shutdown. The programme shall be the coordinated product of the Engineer and the User Client. Commissioning programmes shall take all process requirements into account. The detailed commissioning programme shall indicate all actions necessary for:

- (a) Decommissioning
- (b) Recommissioning of parts of the installation
- (c) Commissioning of the installation as a whole.

All work deemed necessary for practical completion of the installation shall be indicated on the commissioning programme.

The programme shall indicate the milestones to be achieved before shutdown and decommissioning as activities of zero duration, all of which shall be prerequisites linked to the "start" of decommissioning.

The following specific actions shall be included in the programme, clearly indicating the time allowed for:

- (a) Communication, including the time for confirmation of the official shutdown;
- (b) Draining parts of the installation to sumps, where available, or to other storage facilities provided by the Contractor;
- (c) Installation of temporary blanked flanges or other means of isolation where necessary;
- (d) Partial decommissioning and removal of existing material and equipment to perform work, including protection of pipework against hot work, cutting into pipework, loosening bolts, flanges and all other work necessary for recommissioning;
- (e) Installation of temporary functional links (pipe specials) between any two parts of the installation;
- (f) Each individual field weld, subject to the Engineer's approval;

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- (g) Non-destructive testing of materials, for manufacturing/construction quality and for producing test results;
- (h) Installation of all instruments and their connection to SCADA systems;
- (i) Installation and connection of all power cables;
- (j) De-aeration of all pipe sections;
- (k) Communication between the Contractor, the Engineer, the Employer and the User Client;
- (l) Start-up of the complete system, indicating start-up procedures.

Inspection of the prefabricated installation, testing of all equipment prior to final commissioning, pressure testing and non-destructive testing shall be clearly scheduled in the project progress programme.

Day 30 tests and instruction/training sessions with the User Client shall be scheduled in the project progress programme.

### **SC 04 COMMISSIONING COMMUNICATION CHANNELS**

The Contractor shall communicate with the User Client's operating and maintenance managers via the Engineer to finalise start-up after decommissioning in accordance with the specified procedures.

The following key parties shall be involved before and during shutdown and decommissioning of any part of the system:

Contractor:	Site Agent
Engineer:	Resident Engineer
Employer:	Representative of Area Manager
User Client:	Operating and Maintenance Manager.

### **SC 05 COMMISSIONING RISK CONTROL AND PENALTIES**

- (a) The safety instructions stipulated by the Occupational Health and Safety Act, 1993 (Act 85 of 1993) shall be adhered to at all times.
- (b) The Contractor shall not be allowed to work on any part of the installation without obtaining a commissioning check permit on the day of shutdown. A typical example of a commissioning check permit is included in this document, referring to the minimum required milestones to be achieved prior to decommissioning.
- (c) Payment reductions for exceeding the maximum permissible down-time during maintenance shall apply as stipulated in the General Conditions of Contract and

## SC.4

the Contract Data. This stipulation does not include shutdowns during programmed routine preventive maintenance work.

### **SC 06 DELAYS OF SCHEDULED SHUTDOWNS**

Specific dates on which an installation shall be shut down for decommissioning shall be finalised during coordination meetings of all the parties involved, including the Engineer, the Employer, the User Client and the Contractor.

Although a date for each shutdown will be scheduled at the coordination meetings, the actual date of the shutdown shall be determined by the process requirements and user demands, allowing for a window of seven (7) calendar days from the date of the planned shutdown.

Prospective bidders shall make allowances in their bid rates for the shutdown to occur at any time during this seven-day period. No additional payment shall be due if the shutdown occurs within this seven-day period.

If the Contractor fails to commence with the shutdown and decommissioning of the installation within the scheduled period, all additional costs arising from the shutdown at a later stage shall be for the Contractor's account.

### **SC 07 MATERIAL AND EQUIPMENT PROCUREMENT AND PROTECTION**

It is the responsibility of the Contractor to ensure the functionality of all units of new equipment prior to decommissioning, before installation of any specific part of the system. If the equipment, whether free-issued or not, does not conform to the functionality specifications during pre-installation testing, the Contractor shall notify the Engineer in writing without delay.

### **SC 08 TESTING OF EQUIPMENT PRIOR TO RECOMMISSIONING**

The equipment shall be tested for functionality after pre-installation of equipment in parts of the installation.

- (a) The Contractor shall inform the Engineer well in advance of his intention to perform the first tests and start-up of equipment in order to allow a representative of the Engineer to witness the tests. The extent of all precommissioning tests and checks shall be agreed with the Engineer prior to commencement.
- (b) The Contractor shall first conduct his own tests of the equipment. When he is satisfied that the equipment complies with the specifications, he shall notify the Engineer that he is ready for the official tests on completion. The Contractor shall not conduct an official test without the Engineer's presence or approval. All equipment shall conform to the specified requirements.
- (c) Before starting up any part of the installation or filling the tanks and sumps with liquid, the Contractor shall clean out the tanks, pipes, fittings, equipment or structures and, if necessary, make arrangements with other Contractors to remove their building rubble from the structures, check that all safety devices and



alarms have been set and activated, all nuts have been tightened correctly, that all the equipment is complete and ready for start-up, that the plant has been installed correctly, and that copies of the operating manuals have been handed to the Engineer.

- (d) The Contractor shall start up each section of equipment after ensuring that oil fillings, lubrication, vibration monitoring, cable termination and so on have been correctly completed. He is also responsible for the first refilling of all lubricating oils and for adjusting the plant to operate according to the specifications. Before any equipment is started or energised, the Contractor shall ensure that it is safe in terms of the personnel and equipment on the site to do so. The Contractor's tendered rates and sums shall allow for these costs.

All equipment shall be tested according to the relevant specifications that form part of this document.

No shutdown or decommissioning of any part of the system shall take place unless all the equipment to be installed have been tested by the Contractor and approved by the Engineer.

**SC 09**      **TESTING OF MATERIAL AND EQUIPMENT SPECIFICATIONS AND WORKMANSHIP**

All results of the required non-destructive, precommissioning and manufacturing testing shall be submitted to the Engineer well in advance of testing the equipment on recommissioning. All such test results shall be submitted before Day 1 commissioning tests and no certificate of practical completion shall be issued prior to receipt of the required test results.

**SC 10**      **DECOMMISSIONING**

The decommissioning period shall commence on the instant of the entire system shutdown. The recommissioning period shall start in parallel with decommissioning.

Shutdown and decommissioning shall not proceed without compliance with all the milestones in the detailed commissioning programme. The list of milestones in this document is not complete but indicates the minimum requirements. Milestones to be achieved prior to shutdown and decommissioning may be added to the programme at the Engineer's discretion.

The Contractor is responsible for the safe decommissioning of all material, equipment, components and instrumentation to avoid damage to parts or components of the installation.

**SC 11**      **RECOMMISSIONING, COMMISSIONING AND COMPLETION OF INSTALLATIONS**

**SC 11.01**      **RECOMMISSIONING**

## SC.6

Recommissioning means the commissioning of all sections or systems that form part of the installation to meet the required functional specifications for the individual section or system prior to commissioning of the repaired and upgraded installation.

The Contractor is responsible for the recommissioning of all parts of the system and he shall perform the tasks listed below.

- (a) Prior notice shall be given to and proper arrangements shall be made for recommissioning with the Employer, the Engineer, the User Client and the suppliers of equipment that is affected by recommissioning and testing.
- (b) If plant and equipment supplied by others are to be commissioned, the supplier's specific permission together with all requirements related to commissioning shall be obtained prior to recommissioning without in any way altering the General Conditions of Contract and the Contract Data with reference to the Contractor's liability in terms of defects.
- (c) The new and reconditioned parts of the installation shall be thoroughly inspected by a responsible representative of the Contractor to ensure that manufacture/construction and installation work have been completed according to the specifications.

### **SC 11.02 COMMISSIONING AND COMPLETION OF REPAIRS AND UPGRADING WORK**

Commissioning means commissioning of the repaired and upgraded installation as a whole to perform in perfect working order.

- (a) The commissioning period for each installation as a whole:
  - (i) Commences with the Day 1 tests of the complete repaired and upgraded installation;
  - (ii) Includes commissioning of all sections and systems that have been recommissioned prior to the Day 1 tests;
  - (iii) Includes training of the User Client's operating personnel and the maintenance teams;
  - (iv) Terminates with a Day 30 test in compliance with the commissioning report.

## SC.7

- (b) The purpose of the Day 1 tests is to ensure that:
  - (i) The electronic, electrical and mechanical equipment and materials are functional and in perfect working order with respect to each other and the installation as a whole;
  - (ii) The commissioning period, including training, commences on successful completion of the Day 1 tests;
  - (iii) The Contractor is entitled to a certificate of practical completion for the repairs and upgrading of the installation on successful completion of the Day 1 tests;
  - (iv) The Contractor becomes responsible for maintenance of the installation and is entitled to performance-based payments in compliance with Additional Specification SA: General Maintenance.
- (c) Commissioning shall be undertaken over a trouble-free period up to Day 30. During this period the Contractor shall train the User Client's operators and his maintenance team for operating and maintaining the installation. This training shall allow for all possible operational conditions, including emergency conditions, the correct servicing of every part, the type of oil or grease to be used, and similar tasks. The training shall take place by means of demonstrations, and the operating and maintenance manuals shall be referred to for this purpose.
- (d) Day 30 commissioning tests shall be performed thirty calendar days after the successful completion of the Day 1 tests. The commissioning period of the installation terminates upon the successful completion of the Day 30 tests.
- (e) The Contractor shall conduct all the tests required to satisfy the Engineer that the installation is performing according to specification, and shall make allowance for these tests in his bid rates and prices. These tests shall be conducted to certify that the installation, as repaired, upgraded and installed, is in perfect working order in terms of the specified functional requirements. The Contractor shall note that all equipment is to be tested as part of an installation, where appropriate, and will not be passed if all protection devices, interlocking with other equipment, etc, are not fully functional.
- (f) The Engineer shall provide commissioning sheets to the Contractor at least three weeks before the commissioning period commences, for all the equipment supplied, reconditioned and installed by the Contractor. The Contractor shall complete the commissioning sheets during the commissioning period and all items listed shall be entered. No completion certificate will be issued for an installation of which the equipment has incomplete commissioning reports. Information that is not available or applicable, or instances where certain tests have not been carried out, are subject to the Engineer's decision.
- (g) Commissioning of the plant (which includes the thirty days between the Day 1 and Day 30 tests) includes operating under conditions that adequately prove that all the specifications have been met. All safety devices, standby plant, automatic controls and protection devices shall be adequately tested for reliability and correct functioning. The Contractor may be called upon to repeat testing during

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the maintenance period if the performance of the equipment is suspected to be substandard. Costs related to such tests shall be for the Contractor's account and shall comply with the specified requirements. Copies of updated commissioning reports shall be provided to the Engineer within two days after a test has been performed.

- (h) The Contractor is responsible for providing all labour and materials (including testing equipment) during the commissioning period and shall carry out all the servicing and adjustments to ensure that the installation operates as specified. Valid calibration certificates shall be available for all testing equipment on the site during the commissioning period.
- (i) Programmes for the Day 1 tests, Day 30 tests and instruction/training sessions with the User Client's operators and maintenance team shall be prepared by the Contractor and submitted to the Engineer at least two weeks before the commissioning period commences. The Contractor shall provide weekly updates of these schedules for the duration of the commissioning period.
- (j) The Contractor shall note that if any equipment fails during the commissioning period, the equipment shall be repaired or replaced by the Contractor, and testing and commissioning shall commence from scratch.
- (k) Successful commissioning of an installation entitles the Contractor to a certificate of completion for the installation.

**SC 12 MEASUREMENT AND PAYMENT**

**SC.01 DECOMMISSIONING AND REMOVING PARTS OF THE INSTALLATION ..... Unit: sum**

The unit of measurement shall be a sum.

The sum bid shall include full compensation for all actions and labour required for shutdown and decommissioning of the entire installation as specified to enable decommissioning and removal of parts of the installation as listed in the Bill of Quantities.

The sum bid shall include full compensation for the decommissioning and removal of the parts and components of an installation as listed individually in the Bill of Quantities, including actions and/or costs resulting from such work, to enable the recommissioning of parts of the repaired and/or upgraded installation.

The sum bid shall include full compensation for final dismantling of decommissioned materials and equipment and the removal of all such items to stores on site, as directed by the Engineer.

**SC.02**      **COMMISSIONING AND TESTING OF PARTS OF THE INSTALLATION**..... Unit: sum

The unit of measurement shall be a sum.

The sum bid shall include full compensation for commissioning and testing parts of the installation to be operational while still incomplete in relation to the entire repaired and/or upgraded system or installation.

Separate payment items shall be billed for separate parts of the system.

**SC.03**      **COMMISSIONING AND TESTING OF THE INSTALLATION** ..... Unit: sum

The unit of measurement shall be a sum.

The sum bid shall include full compensation for commissioning the upgraded installation as a whole and for all costs and expenses related to labour, removal, repair, reinstallation and testing of material and equipment during the commissioning period for each part of the installation. The sum bid shall include full compensation for the final commissioning and testing, including Day 1 and Day 30 tests, of all parts and components of the installation to the specified functional condition.

Payment shall be based on successful completion of the Day 30 tests.

**SC.04**      **PROVISION FOR SAFETY AND HOT WORK REQUIREMENTS**  
**DURING SHUTDOWN** ..... Unit: number

The unit of measurement shall be the number of shutdowns during which all the required safety and hot work requirements are provided.

The bid rates shall include full compensation for all the required safety and hot work requirements and arrangements in accordance with the specifications during a shutdown period, including all labour, personnel, equipment, materials and consumables required.

## **ADDITIONAL SPECIFICATION**

### **SD GENERAL TRAINING**

#### **CONTENTS**

SD 01	SCOPE
SD 02	BASIC METHOD REQUIREMENT
SD 03	TRAINING OF USER CLIENT PERSONNEL
SD 04	TRAINING OF MAINTENANCE PERSONNEL
SD 05	MEASUREMENT AND PAYMENT

#### **SD 01 SCOPE**

The Contractor shall be responsible for providing diverse training to various groups, including operating and maintenance personnel. The Contractor shall develop and facilitate initial training sessions for all parties, as well as training sessions at specified intervals to revive and supplement the initial training. An accredited trainer shall present all training sessions.

This specification includes all requirements for methods to be employed, the syllabus required by the User Client, the syllabus required for maintenance managers and workers and the method of measurement and payment.

#### **SD 02 BASIC METHOD REQUIREMENT**

The Contractor shall be responsible for conducting a complete investigation of the groups that have to be trained in order to compile a proper training plan.

The investigation shall cover at least the following aspects:

- (a) Assess likelihood of conformance to task-specific requirements (*status quo*) of capabilities.
- (b) Identify minimum pre-qualification criteria in terms of existing knowledge and skill levels in relation to reaching target requirements.
- (c) Evaluate personnel in terms of pre-qualification criteria and tasks to be performed (skills profile).
- (d) Identify training needs.
- (e) Develop appropriate and accredited training courses and material in terms of task-specific activities and identified training needs, and compile the training syllabus per installation.

The Contractor shall identify an accredited trainer to assist in the above investigation and finalise the compilation of a training plan and syllabus. Approval of the syllabus shall be a condition for issue of a Certificate of Practical Completion for repair of an installation. Once the training plan and syllabus have been approved the Contractor shall liaise with the Engineer to establish a date and appropriate training venue that would be conducive to learning to perform training.

The training shall be revived within one month after initial training to determine its effectiveness. Further regular training sessions shall be scheduled according to the effectiveness of initial maintenance and operating activities.

The Engineer will be responsible for recording all training sessions and shall keep an attendance register. The Engineer will also examine the trainees officially with each training session and issue certificates of trainees' acquired skills on satisfactory completion of the training.

### **SD 03 TRAINING OF USER CLIENT PERSONNEL**

The Contractor's training shall include training of the User Client's operators on biannual basis to acquaint them with operating of installations (especially electrical and mechanical systems). The training sessions shall comprise lectures and on-site (hands-on) demonstrations, and shall be conducted over two-day periods. The Contractor shall liaise with the Engineer to prepare for the correct number of trainee operators.

The content of training courses for operators shall include the essential features of operating the installation, as also described in the Operating and Maintenance Manuals.

Completion of an installation shall, in terms of the Contract Data, be subject to successful completion of training. The training course shall also be based on the Operating and Maintenance Manuals. No training shall commence without the Engineer's approval of the final draft Operating and Maintenance Manual for the particular installation.

### **SD 04 TRAINING OF MAINTENANCE PERSONNEL**

The Contractor shall train either his own employees, or local labourers, with regard to maintenance of the installation.

The training of maintenance managers shall include the following aspects:

- (a) Awareness of safety, health and personal hygiene in terms of the requirements of the Occupational Health and Safety Act, 1993 (Act 85 of 1993);
- (b) functioning of the installation, including all its systems, services, parts of buildings and infrastructure;
- (c) all specific tasks related to routine preventative maintenance;
- (d) interpretation and understanding of Operating and Maintenance Manuals with specific reference to requirements in cases of corrective and breakdown maintenance, and
- (e) repair/reconditioning and installation/construction of equipment and materials forming part of an installation.

### **SD 05 MEASUREMENT AND PAYMENT**

#### **SD.01 DEVELOPMENT OF A SYLLABUS FOR TRAINING OF OPERATORS** ....Unit: sum

The unit of measurement shall be the sum for the compilation of a training syllabus for each installation that shall be measured separately in the Bill of Quantities.

The sum bid shall include full compensation for identification of pre-qualification criteria and training needs, staff assessment and evaluation prior to training, all technical research, development and compilation of an accredited training course and course material, and all other actions necessary for commencement of official training sessions in accordance with the specification.

SD.3

The sum bid shall also include full compensation for the compilation of a draft syllabus and for incorporation of all the Engineer's comments and corrective requirements.

**SD.02**      **PRESENTING A TRAINING COURSE FOR OPERATORS ..... Unit: number**

The unit of measurement shall be the number of training courses presented based on the approved syllabus.

The bid rate shall include full compensation for presenting a two-day training course, including lectures, demonstrations, on-site training and hands-on development and improvement of operators' skills to enable the operators to operate installations safely and efficiently.

The bid rate shall include full compensation for the Contractor's time, appointment of the accredited trainer for the course, and for all material expenses such as paper hand-outs and slides for the whole group of trainees, the number of which shall be determined during development of the training course.

**SD.03**      **PRESENTING A TRAINING COURSE FOR MAINTENANCE PERSONNEL..... Unit: number**

The unit of measurement shall be the number of training courses presented.

The bid rate shall include full compensation for presenting a two-day training course, including lectures, demonstrations, on-site training and hands-on development, and improvement of maintenance personnel's skills to enable them to maintain and repair installations safely and efficiently at the satisfactory functional condition specified.

The bid rate shall include full compensation for the Contractor's time, appointment of the accredited trainer for the course, and for all material expenses such as paper hand-outs and slides for the whole group of trainees, the number of which shall be determined during development of the training course.



**ADDITIONAL SPECIFICATION****SH HIV/AIDS REQUIREMENTS****CONTENTS**

SH 01	SCOPE
SH 02	MAINTENANCE REQUIREMENTS
SH 03	MAINTENANCE CONTROL
SH 04	COMMUNICATION
SH 05	PERFORMANCE MEASUREMENT
SH 06	MEASUREMENT AND PAYMENT

**SH 01 SCOPE**

This specification contains all requirements applicable to the Contractor for creating HIV/AIDS awareness amongst all of the Workers involved in this project for the duration of the construction period, through the following strategies:

- Raising awareness about HIV/AIDS through education and information on the nature of the disease, how it is transmitted, safe sexual behaviour, attitudes towards people affected and people living with HIV/AIDS, how to live a healthy lifestyle with HIV/AIDS, the importance of voluntary testing and counselling, the diagnosis and treatment of Sexually Transmitted Infections and the closest health Service Providers
- Informing Workers of their rights with regard to HIV/AIDS in the workplace
- Providing Workers with access to condoms and other awareness material that will enable them to make informed decisions about sexual practices

**SH 02 DEFINITIONS AND ABBREVIATIONS****SH 02.01 DEFINITIONS**

**Service Provider:** The natural or juristic person recognised and approved by the National Department of Health as a specialist in conducting HIV/AIDS awareness programmes.

**Service Provider Workshop Plan:** A plan outlining the content, process and schedule of the training and education workshops, presented by a Service Provider which has been approved by the Representative/Agent.

**Worker:** Person in the employ of the Contractor or under the direction or supervision of the Contractor or any of his Sub-contractors, who is on site for a minimum period of 30 days in total.

**SH 02.02 ABBREVIATIONS**

<b>HIV</b>	:	Human Immunodeficiency Virus
<b>AIDS</b>	:	Acquired Immune Deficiency Syndrome
<b>STI</b>	:	Sexually Transmitted Infection

**SH 03 BASIC METHOD REQUIREMENT**

The Contractor shall, through a Service Provider, conduct onsite workshops with the Workers

The Service Provider shall develop and compile a Service Provider Workshop Plan to be presented at the workshops and which will be best suited for this project to achieve the specified objectives with regard to HIV/AIDS awareness.

The Service Provider Workshop Plan shall be based on the following information provided by the Contractor:

- Number of Workers and Sub-contractors on site
- When new Workers or Sub-contractors will join the construction project
- Duration of Workers and Sub-contractors on site
- How the maximum number of Workers can be targeted with workshops
- How the Contractor prefers workshops to be scheduled, e.g. three hourly sessions per Worker, or one 2.5 hour workshop per Worker
- Profile of Workers, including educational level, age and gender (if available)
- Preferred time of day or month to conduct workshops
- A Gantt chart reflecting the construction programme, for scheduling of workshops
- Suitable venues for workshops

The Contractor shall submit the Service Provider Workshop Plan for approval within 21 days after the tender acceptance date. After approval by the Representative/Agent, the Contractor shall make available a suitable venue that will be conducive to education and training.

The Service Provider Workshop Plan shall address, but will not be limited to the following:

- The nature of the disease;
- How it is transmitted;
- Safe sexual behaviour;
- Post exposure services such as voluntary counselling and testing (VCT) and nutritional plans for people living with HIV/AIDS;
- Attitudes towards other people with HIV/AIDS;
- Rights of the Worker in the workplace;
- How the Awareness Champion will be equipped prior to commencement of the HIV/AIDS awareness programme with basic HIV/AIDS information and the necessary skills to handle questions regarding the HIV/AIDS awareness programme on site sensitively and confidentially;
- How the Service Provider will support the Awareness Champion;
- Location and contact numbers of the closest clinics, VCT facilities, counselling services and referral systems;
- How the workshops will be presented, including frequency and duration;
- How the workshops will fit in with the construction programme;
- How the Service Provider will assess the knowledge and attitude levels of attendees to structure workshops accordingly;
- How the video will be used;
- How the Service Provider will elicit maximum participation from the Workers;
- A questions and answers slot (interactive session)
- The Service Provider Workshop Plan shall encompass the Specific Learning Outcomes (SLO) as stipulated

**SH 04 HIV/ AIDS AWARENESS EDUCATION AND TRAINING**

**SH 04.01 WORKSHOPS**

The Contractor shall ensure that all Workers attend the workshops.

The workshops shall adequately deal with all the aspects contained in the Service Provider Workshop Plan. A video of HIV/AIDS in the construction industry, which can be obtained from all Regional Offices of the National Department of Health, is to be screened to Workers at workshops. In order to enhance the learning experience, groups of not exceeding 25 people shall attend the interactive sessions of the workshops.

**SH 04.02 RECOMMENDED PRACTICE**

**SH 04.02.01 WORKSHOP SCHEDULE**

Presenting information contained in the Service Provider Workshop Plan can be divided in as many workshop sessions as deemed practicable by the Contractor, provided that all Workers are exposed to all aspects of the workshops as outlined in the Service Provider Workshop Plan.

Breaking down the content of information to be presented to Workers into more than one workshop session however, has the added advantage that messages are reinforced over time while providing opportunity between workshop sessions for Workers to reflect and test information. Workers will also have an opportunity to ask questions at a following session.

**SH 04.02.02 SERVICE PROVIDERS**

A database of recommended Service Providers is available from all Regional Offices of the National Department of Health

**SH 04.02.03 HIV/AIDS SPECIFIC LEARNING OUTCOMES AND ASSESSMENT CRITERIA**

Workers shall be exposed to workshops for a minimum duration of two-and-a-half hours. In order to set a minimum standard requirement, the following specific learning outcomes and assessment criteria shall be met.

**04.02.03.01 UNIT 1: The nature of HIV/AIDS**

After studying and understanding this unit, the Worker will be able to differentiate between HIV and AIDS and comprehend whether or not it is curable. The Worker will also be able to explain how the HI virus operates once a person is infected and identify the symptoms associated with the progression of HIV/AIDS.

Assessment Criteria:

1. Define and describe HIV and AIDS
2. List and describe the progression of HIV/AIDS

**04.02.03.02 UNIT 2: Transmission of the HI virus**

After studying and understanding this unit, the Worker will be able to identify bodily fluids that carry the HI virus. The Worker will be able to recognise how HIV/AIDS is transmitted and how it is not transmitted.

Assessment Criteria:

1. Record in what bodily fluids the HI virus can be found
2. Describe how HIV/AIDS can be transmitted
3. Demonstrate the ability to distinguish between how HIV/AIDS is transmitted and misconceptions around transmittance of HIV/AIDS

## SH.4

### 04.02.03.03 UNIT 3: HIV/AIDS preventative measures

After studying and understanding this unit, the Worker will comprehend how to act in a way that would minimise the risk of HIV/AIDS infection and to use measures to prevent the HI virus from entering the bloodstream.

Assessment Criteria:

1. Report on how to minimise the risk of HIV/AIDS infection
2. Report on precautions that can be taken to prevent HIV/AIDS infection
3. Explain or demonstrate how to use a male and female condom
4. List the factors that could jeopardize the safety of condoms provided against HIV/AIDS transmission

### 04.02.03.04 UNIT 4: Voluntary HIV/AIDS counselling and testing

After studying and understanding this unit, the Worker will be able to recognise methods of testing for HIV/AIDS infection. The Worker will be able to understand the purpose of voluntary HIV/AIDS testing and pre- and post-test counselling

Assessment Criteria:

1. Describe methods of testing for HIV/AIDS infection
2. Report on why voluntary testing is important
3. Report on why pre- and post-test counselling is important

### 04.02.03.05 UNIT 5: Living with HIV/AIDS

After studying and understanding this unit, the Worker will be able to recognise the importance of caring for people living with HIV/AIDS and be able to manage HIV/AIDS.

Assessment Criteria

1. List and describe ways to manage HIV/AIDS
2. Describe nutritional needs of people living with HIV/AIDS
3. Describe ways to embrace a healthy lifestyle as a person living with HIV/AIDS
4. Explain the need for counselling and support to people living with HIV/AIDS

### 04.02.03.06 UNIT 6: Treatment options for people with HIV/AIDS

After studying and understanding this unit, the Worker will be familiar with the various treatments available to HIV/AIDS infected or potentially HIV/AIDS infected people

Assessment Criteria

1. Discuss anti-retroviral therapy
2. List methods of treatment to prevent HIV/AIDS transmission from mother-to-child
3. Describe the need for treatment of opportunistic diseases for people living with HIV/AIDS
4. Describe post exposure prophylactics

## SH.5

### 04.02.03.07 UNIT 7: The rights and responsibilities of Workers in the workplace with regard to HIV/AIDS

After studying and understanding this unit, the Worker will be able to identify the rights and responsibilities of the Worker living with HIV/AIDS in the workplace. The Worker will recognise the importance of accepting colleagues living with HIV/AIDS and treating them in a non-discriminative way

Assessment Criteria:

1. Discuss the rights of a person living with HIV/AIDS in the workplace
2. Discuss the responsibilities of a person living with HIV/AIDS in the workplace
3. Report on why acceptance and non-discrimination of colleagues living with HIV/AIDS is important

### **SH 04.03 DISPLAYING OF PLASTIC LAMINATED POSTERS AND DISTRIBUTION OF INFORMATION BOOKLETS**

The Contractor shall obtain a set of four laminated posters conveying different key messages and information booklets, which are available from all Regional Offices of the National Department of Health.

The above-mentioned posters and information booklets have been prepared to raise awareness and to share information about HIV/AIDS and STI's

Posters or display stands shall be displayed on site as soon as possible, but not later than 14 days after the date of site handover

Posters shall be displayed in areas highly trafficked by Workers, including toilets, rest areas, the site office and compounds

The posters on display must always be intact, clear and readable

Information booklets must be distributed to all Workers as soon as possible, but not later than 14 days after site handover, or as soon as the Worker joins the site

### **SH 05 PROVIDING WORKERS WITH ACCESS TO CONDOMS**

The Contractor shall provide and maintain condom dispensers and make both male and female condoms, complying with the requirements of SABS ISO 4074, available at all times to all Workers at readily accessible points on site, for the duration of the contract. The Contractor may obtain condom dispensers from the Department of Health and condoms may be obtained from the Local Clinic or the Department of Health.

At least one male and one female condom dispenser and a sufficient supply of condoms, all to the approval of the Representative/Agent, shall be made available on site within 14 days of site hand over. Contractors should note that arrangements to obtain condoms from the Department of Health Clinics prior to site hand over may be necessary, to ensure that condoms are available within 14 days of site handover.

Condoms shall be made available in areas highly trafficked by Workers, including toilets, the site office and compounds.

**SH 06 ENSURING ACCESS TO HIV/AIDS TESTING AND COUNSELLING FACILITIES AND TREATMENT OF SEXUALLY TRANSMITTED INFECTIONS (STI)**

The Contractor shall provide Workers with the names of the closest Service Providers that provide HIV/AIDS testing and counselling and Clinics providing Sexually Transmitted Infection (STI) diagnosis and treatment. Information on these Service Providers and Clinics must be displayed on a poster of a size not smaller than A1 in an area highly trafficked by Workers

**SH 07 APPOINTMENT OF AN HIV/AIDS AWARENESS CHAMPION**

Within 14 days of site handover the Contractor shall appoint an Awareness Champion from amongst the Workers, who speaks, reads and writes English, who speaks and understands all the local languages spoken by the Workers and who shall be on site during all stages of the construction period. The Contractor shall ensure that the Awareness Champion has been trained by the Service Provider on basic HIV/AIDS information, the support services available and the necessary skills to handle questions regarding the HIV/AIDS programme in a sensitive and confidential manner

The Awareness Champion shall be responsible for:

- 7.1 Liasing with the Service Provider on organising awareness workshops;
- 7.2 Filling condom dispensers and monitoring condom distribution;
- 7.3 Handing out information booklets;
- 7.4 Placing and maintaining posters

**SH 08 MONITORING**

The Contractor shall grant to the Representative/Agent reasonable access to the construction site, in order to establish that the Contractor complies with his obligations regarding HIV/AIDS awareness under this contract

The Contractor must report problems experienced in implementing the HIV/AIDS requirements to the Representative/Agent

The attached SITE CHECKLIST (SCHEDULE A) shall be completed and submitted at every construction progress inspection to the Representative/Agent

The attached SERVICE PROVIDER REPORT (SCHEDULE B) shall be completed and submitted on a monthly basis to the Department's Project Manager, through the Representative/Agent

The attached CONTRACTOR HIV/AIDS PROGRAMME REPORT (SCHEDULE C), a close out programme report, shall be completed by the Contractor at the end of the contract

## SCHEDULE A

### HIV/AIDS PROGRAMME: SITE CHECKLIST

When did construction commence \_\_\_\_\_

Name of Departmental Project Manager \_\_\_\_\_

*Please refer to HIV/AIDS Programme activities during the reporting period*

<i>Tick the block if Contractor satisfactorily complied with specifications</i>																												
DATE	PI				PI				PI				PI				PI				PI							
	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M
Programme implemented within 14 days of site handover																												
Awareness champion on site																												
HIV/AIDS awareness service provider report																												
Male condom dispenser																												
Sufficient male condoms available																												
Male condom dispenser in a highly trafficked area																												
Female condom dispenser																												
Sufficient female condoms available																												
Female condom dispenser in a highly trafficked area																												
All four types of posters displayed																												
Posters in a good condition																												
Posters in a highly trafficked area																												
Posters displayed on local support services: clinic & VCT centre																												
Support service poster/s in highly trafficked area																												
Support service poster/s in a good condition																												

<i>Please indicate the applicable number for the reporting period</i>							
Workers on payroll (at PI)							
Sub-Contractors who will be on site for longer than 30 days (at PI)							
Workshop attendees							
Number of workshops held							
Scheduled workshops according to approved workshop plan							
Booklets distributed							
Male condoms distributed							
Female condoms distributed							
_____							
Representative/Agent							
_____							
Contractor							



Date of progress inspection (dd/mm/yy) \_\_\_\_\_

Reporting period: (dd/mm/yy)\_\_\_\_\_ to (dd/mm/yy) \_\_\_\_\_

Deviations from HIV/AIDS awareness programme plan:

Corrective actions

\_\_\_\_\_  
Representative/Agent

\_\_\_\_\_  
Departmental Project Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

# SCHEDULE B

## HIV/AIDS AWARENESS PROGRAMME: SERVICE PROVIDER REPORT

Reporting period: (dd/mm/yy) \_\_\_\_\_ to (dd/mm/yy) \_\_\_\_\_

Number of workshops conducted in reporting period \_\_\_\_\_

Number of scheduled workshops according to approved workshop plan \_\_\_\_\_

Deviations from workshop plan:

State reasons for deviating from workshop plan:

Corrective actions:

\_\_\_\_\_  
Service Provider

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

**HIV/AIDS AWARENESS PROGRAMME: WORKSHOP CONTENT ADDRESSED**

<i>Fill in the applicable information with regard to each workshop conducted</i>																												
DATE	W/S				W/S				W/S				W/S				W/S				W/S							
	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M
<b>Content of workshop:</b> <i>(Mark the content included)</i>																												
SLO1																												
SLO2																												
SLO3																												
SLO4																												
SLO5																												
SLO6																												
SLO7																												
HIV/AIDS in construction video																												
Indicate the duration of the workshop in hours																												
Total number of Workers																												
Indicate workshop venue																												



## SCHEDULE C

### CONTRACTOR HIV/AIDS PROGRAMME REPORT

Project name \_\_\_\_\_

Project Location \_\_\_\_\_

Contract value of project (R) \_\_\_\_\_

National Department of Health Project Manager \_\_\_\_\_

HIV/AIDS Programme duration: (dd/mm/yy) \_\_\_\_\_ to (dd/mm/yy) \_\_\_\_\_

#### AWARENESS MATERIAL

Describe location of posters displayed during the programme \_\_\_\_\_

\_\_\_\_\_

Comments on posters \_\_\_\_\_

\_\_\_\_\_

Indicate total number of booklets distributed \_\_\_\_\_

Comments on booklets \_\_\_\_\_

\_\_\_\_\_

#### CONDOMS

Indicate total number of male condoms distributed \_\_\_\_\_

Indicate total number of female condoms distributed \_\_\_\_\_

Describe where male condom dispenser was placed \_\_\_\_\_

Describe where female condom dispenser was placed \_\_\_\_\_

#### HIV/AIDS WORKSHOPS

Indicate the total number of HIV/AIDS workshops conducted \_\_\_\_\_

Indicate the duration of workshops \_\_\_\_\_

Indicate the total number of Workers that participated in the HIV/AIDS workshops \_\_\_\_\_

Indicate the total number of Workers that were exposed to the video on HIV/AIDS in the Construction Industry \_\_\_\_\_

\_\_\_\_\_

Comments on HIV/AIDS workshops on site \_\_\_\_\_

\_\_\_\_\_

**GENERAL**

Briefly describe programme activities and satisfaction with outcome \_\_\_\_\_

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Additional comments, suggestions or needs with regard to the HIV/AIDS awareness programmes on site

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Please indicate if your company has a formal HIV/AIDS policy focussing on HIV/AIDS awareness raising and care and support of HIV/AIDS Workers

Yes	No	Currently developing one
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Please indicate if, to your knowledge, you have lost any workers during the duration of the project to HIV/AIDS related sicknesses. One or more of the following might indicate an HIV/AIDS related death:

Excessive weight loss  
 Reactive TB  
 Hair loss  
 Severe tiredness

Coughing or chest pain  
 Pain when swallowing  
 Persistent fever  
 Diarrhoea

Vomiting  
 Meningitis  
 Memory loss  
 Pneumonia

Number of HIV/AIDS-related deaths \_\_\_\_\_

\_\_\_\_\_  
**Contractor**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Departmental Project Manager**

\_\_\_\_\_  
**Date**

**ADDITIONAL SPECIFICATION****SI OCCUPATIONAL HEALTH AND SAFETY****CONTENTS**

SI 01	APPLICABLE LEGISLATION AND REGULATIONS
SI 02	SCOPE OF WORK
SI 03	THE PRINCIPLE CONTRACTOR'S GENERAL DUTIES
SI 04	THE PRINCIPLE CONTRACTOR'S SPECIFIC DUTIES
SI 05	THE PRINCIPLE CONTRACTOR'S SPECIFIC DUTIES WITH REGARD TO HAZARDOUS WORK OR ACTIVITIES

**SI 01 APPLICABLE LEGISLATION AND REGULATIONS**

This document was prepared to guide the Agent in the compilation of a Health and Safety Specification in terms of Sub-regulation 4(1)a of the Construction Regulation as published under Government Notice R.2003 of 18 July 2003. The content of this document or the fact it was made available for the use of the Agent will not relieve the Agent of any of his obligations in terms of the act.

The Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) together with its applicable Regulations ("the Act") forms part of this Health and Safety Specification. Any word or expression to which a meaning has been assigned in the Act shall have the meaning so assigned to it unless the context otherwise indicates.

**SI 02 SCOPE OF WORK**

All work forming part of this Contract is divided into installations.

**Installation A: Medium A Prison : Kitchen Infrastructure**

During the previous contract (Contract 2), the related repairs have been done and completed, but as a result of no maintenance done on the equipment and infrastructure of the kitchen facility, some repairs are urgently needed to kitchen equipment, electrical reticulation and overall plumbing network.

**Installation B: Old Medium A Prison : Cell Block**

The original scope for the cells block under previous contracts (Contract 1 and 2), was to repair/replace, roof sheets, plaster to walls, civil works in bathroom areas, replacement of all electrical infrastructure and replacement of structural concrete roof slabs. Around 90% of the work in total was completed, but not all were approved due to unaccepted quality of work and building methods.

Under this contract, the unapproved work needs to be checked, removed and redone. This entails removing of roof cladding and sheets, wall tiles, geysers, urinals and plaster etc to such extent till such level where the quality can be regained to the approval of the engineer.

## SI 2

The work shall also include some rebuild to walls, replacement of cladding, re-plastering, re-painting and general plumbing repairs to level and seal leaks to all piping done in wall sections and on external areas of complex.

Testing of underground sewer pipes previously installed, are to be done and re-opening might be needed to ensure proper flow rates.

### **Installation C: Civil Infrastructure, External water reticulation related repair work**

A new piping network has added to the existing fire piping reticulation at the cell block, to better pressure and reticulation of the overall network. The piping will need to be removed to give access to unapproved plaster work, which needs to be redone as well as expansion joins along the roof slabs.

Water meters have been installed during the previous contracts (Contract 1 and 2). Three new meter inspection boxes have been installed at medium C houses, which need to be finalized, marked and tested. The meters installed at Maximum prison houses, needs minor repairs and testing to complete the work.

Pressure testing and drawings of all piping to reticulation network to be completed and submitted. Information of work done during previous Contract 2 contract shall be submitted to contractor by engineer.

### **Installation D: Medium A Prison : Kitchen and Cell Block : Structural Components**

A new floor was installed during previous contract in the kitchen and approved by engineer.

Due to operational traffic over the past year 2013, some minor areas of the Pro Struct (Stoneclad UT) floor coating has been damaged and needs to be replaced. The areas shall be identified and opened as per engineer's instructions.

The roof slabs installed at the cells needs to be checked for cracks. Thus far, no faults or concerns have been recorded.

## **SI 03 THE PRINCIPAL CONTRACTOR'S GENERAL DUTIES**

The Principal Contractor's general duties in terms of this Health and Safety Specification are, but not limited to, the following:

1. Every Principal Contractor shall provide and maintain, as far as is reasonably practicable, a working environment that is safe and without risk to the health of his employees and other contractors.
2. Without derogating from the generality of a Principal Contractor's duties under subsection (1), the matters to which those duties refer include in particular –



## SI 3

- a. the provision and maintenance of systems of work, plant and machinery that, as far as is reasonably practicable, are safe and without risks to health;
- b. taking such steps as may be reasonably practicable to eliminate or mitigate any hazard or potential hazard to the safety or health of employees and other contractors, before resorting to personal protective equipment;
- c. making arrangements for ensuring, as far as is reasonably practicable, the safety and absence of risks to health in connection with the production, processing, use, handling, storage or transport of articles or substances;
- d. establishing, as far as is reasonably practicable, what hazards to the health or safety of persons are attached to any work which is performed, any article or substance which is produced, processed, used, handled, stored or transported and any plant or machinery which is used in his business, and he shall, as far as is reasonably practicable, further establish what precautionary measures should be taken with respect to such work, article, substance, plant or machinery in order to protect the health and safety of persons, and he shall provide the necessary means to apply such precautionary measures;
- e. providing such information, instructions, training and supervision as may be necessary to ensure, as far as is reasonably practicable, the health and safety at work of his employees and other contractors;
- f. not permitting any employee or contractor to do any work or to produce, process, use, handle, store or transport any article or substance or to operate any plant or machinery, unless the precautionary measures contemplated in paragraphs (b) and (d), or any other precautionary measures which may be prescribed, have been taken;
- g. taking all necessary measures to ensure that the requirements of this Health and Safety Specification are complied with by every person in his employment or on premises under his control where plant or machinery is used;
- h. enforcing such measures as may be necessary in the interest of health and safety;
- i. ensuring that work is performed and that plant or machinery is used under the general supervision of a person trained to understand the hazards associated with it and who have the authority to ensure that precautionary measures taken by the employer are implemented; and
- j. causing all employees and other contractors to be informed regarding the scope of their authority as contemplated in section 37(1)(b) of the Act.

## **SI 04 THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES**

The Principal Contractor's specific duties in terms of this Health and Safety Specification are specified in the Construction Regulation as published under Government Notice R. 2003 of 18 July 2003. (Hereinafter referred to as "Construction Regulation, 2003").

The Principal Contractor is specifically referred to the following sub-regulations of the Construction Regulation, 2003:

<b>Subject</b>	<b>Applicable sub-regulation of the Construction Regulation, 2003.</b>
Definitions	1
Scope of application	2
Notification of construction work	3
Principal Contractor and Contractor	5
Supervision of construction work	6
Risk assessment	7
Approved inspection authorities	29
Offences and penalties	30
Withdrawal of regulations	31
Short title	32

The Principal Contractor will acquaint himself with these duties and will make provision in his Contract price for the implementation and supervision of these duties.

**SI 05 THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES WITH REGARD TO HAZARDOUS WORK OR ACTIVITIES**

The following hazardous work or activities were identified in terms of the Construction Regulation, 2003, and it is the duty of the Principal Contractor to ensure that the said work and activities are performed or carried out in terms of the relevant sub regulations of the Construction Regulation, 2003 and other applicable Regulations.

<b>Hazardous work or activity</b>	<b>Applicable sub-regulation of the Construction Regulation, 2003.</b>	<b>Other applicable Regulations</b>
Fall protection	8	
Structures	9	
Formwork and support work	10	
Excavation	11	Precautionary measure as stipulated for confined spaces under the General Safety Regulations published under Government Notice R.1031 of 30 May 1986, as amended.
Demolition work	12	Asbestos related work will be conducted in accordance with the Asbestos Regulations published under Government Notice R. 155 of 10 February 2002 as amended.

Hazardous work or activity	Applicable sub-regulation of the Construction Regulation, 2003.	Other applicable Regulations
		Lead related work will be conducted in accordance with the Lead Regulations published under Government Notice R. 236 of 28 February 2002 as amended.
Scaffolding	14	Section 44 of the Act.
Suspended scaffolds	15	Section 44 of the Act.
Boatswains chairs	16	
Material hoists	17	
Explosive powered tools	19	
Cranes	20	Applicable provisions of the Driven Machinery Regulations as published under Government Notice R.533 of 16 March 1990, as amended.
Construction vehicles	21	
Electrical installations and machinery on construction sites.	22	Applicable provisions in the Electrical Installation Regulations published under Government notice R.2920 of 23 October 1992 and the Electrical Machinery Regulations published under Government Notice R.1953 of 12 August 1988 respectively as amended.
Use and temporary storage of flammable liquids on construction sites.	23	Applicable provisions as stipulated in the General Safety Regulations published under Government Notice R.1031 of 30 May 1986, as amended.
Water environments	24	
Housekeeping on construction sites.	25	Applicable provisions as stipulated in the Environmental Regulations for Works places

Hazardous work or activity	Applicable sub-regulation of the Construction Regulation, 2003.	Other applicable Regulations
		published under Government Notice R.2281 of 16 October 1987, as amended.
Stacking and storage on construction sites.	26	Applicable provisions as stipulated in the General Safety Regulations published under Government Notice R.1031 of 30 May 1986, as amended.
Fire precautions on construction sites.	27	Applicable provisions as stipulated in the Environmental Regulations for Works places published under Government Notice R.2281 of 16 October 1987, as amended.
Construction Welfare facilities	28	Applicable provisions as stipulated in the Facilities Regulations under Government Notice R.1593 of 12 August 1988, as amended.

## **SI 06 PERFORMANCE MEASUREMENT**

The Contractors compliance to the Occupational Health and Safety Act shall be measured against pre-set parameters relating to compliance to the Act.

### **SI 06.01 INSPECTIONS BY THE APPOINTED OHS OFFICER**

The OHS Officer shall inspect the construction site at any time during the construction and repair work period. The Officer shall complete a score card consisting of the following parameters to ensure that the Principal Contractor provide and maintain as far as reasonable a working environment that is safe and without risk to the health of his employees and other persons:

1. Safety Management
2. Appointments
3. Registers
4. Facilities
5. Incident Management
6. Signs
7. Contractors (Sub-Contractors)
8. Activity / Conditions
9. Personal Protective Equipment
10. Electrical

SI 7

- 11. Housekeeping
- 12. Site Establishment
- 13. Records

**SI 06.02 EVALUATION SCORE CARD**

The OHSa Officer shall inspect each of the above indicated compliance criteria relating to construction and repair work for each type of installation.

The Officer will use a score card to measure compliance under the 13 Sections culminating in a total of 82 possible inspection items, depending on construction activities being executed.

The Officer will record his inspection findings directly onto the Score Card. Items that are not applicable to the site or construction work will not be relevant on the score card and each will have a maximum score of 100%. The Contractor shall always have to comply 100% to each section in order to receive payment for the point associated with that particular section.

**SI 06.03 PERFORMANCE SCORE CARD**

The thirteen performance indicators shall be recorded on the Performance Score Card and will be used to measure the Contractors remuneration for compliance to the Occupational Health and Safety Act.

The Contractor shall aim to perform satisfactory on all 13 indicators. Compliance shall either be satisfactory (full compliance) or unsatisfactory( less than 100% per indicator) and the Contractor shall score one (1) or zero (0) respectively per indicator.

A copy of the OHSa Evaluation Score Card and Performance Score Card is included in this specification.

**SI 07 MEASUREMENT AND PAYMENT**

**SI. 01 COMPLAINE TO OHSa REQUIREMENTS AND CONSTRUCTION REGULATIONS 2003.....Points**

The unit of measurement shall be a point. Each month shall represent a maximum of thirteen points and a minimum of zero points depending on the compliance to the OHSa.

Thirteen points per month shall mean full compensation for OHSa compliance for work.

**DEPARTMENT OF PUBLIC WORKS  
OHSA PERFORMANCE SCORE CARD**

**CONTRACT NUMBER: WCS** \_\_\_\_\_

**CONTRACT:** \_\_\_\_\_

**CONTRACTOR:** \_\_\_\_\_

**ENGINEER:** \_\_\_\_\_

**INSTALLATION:** \_\_\_\_\_

**MONTH:**

0	0
---	---

**OF 36**

**OHSA Performance Indicators**

**1. ITEMS**

	<b>0</b>	<b>1</b>
1.1 SAFETY MANAGEMENT		
1.2 APPOINTMENTS		
1.3 REGISTERS		
1.4 FACILITIES		
1.5 INCIDENT MANAGEMENT		
1.6 SIGNS		
1.7 CONTRACTORS (SUB CONTRACTORS)		
1.8 ACTIVITY / CONDITIONS		
1.9 PERSONAL PROTECTIVE EQUIPMENT		
1.10 ELECTRICAL		
1.11 HOUSEKEEPING		
1.12 SITE ESTABLISHMENT		
1.13 RECORDS		
<b>TOTAL:</b>		

**Engineer's Representative**

**Signature**

**Date**

Construction, Repair and Maintenance							
ADDITIONAL SPECIFICATION. SI OCCUPATIONAL HEALTH SAFETY EVALUATION SCORE CARD							
ITEM		DESCRIPTION				ACTION	
NO	ITEM	POSSIBLE POINTS	POINTS AWARDED	NO	ITEM	POSSIBLE POINTS	POINTS AWARDED
<b>1 SAFETY MANAGEMENT</b>				<b>7 CONTRACTORS (SUB CONTRACTORS)</b>			
1.1	Client SHE (SI) Specifications available on site?	1		7.1	Updated list of Sub Contractors available?	1	
1.2	Principal Contractors SHE Plan available?	1		7.2	Mandatory Agreements with all Sub Contractors on file?	1	
1.3	Adequate Risk Assessments available?	1		7.3	Safety File complete (appointments, risk assessments, safe work procedures, registers)?	1	
1.4	Safe Work Procedures available?	1		7.4	Sub Contractor's First Aider on site or alternatively	1	
1.5	Safe Work Procedures approved by Engineer?	1			First Aid Agreement in place with Contractor?		
1.6	Fall Protection Plan available?	1					
1.7	Notification of Construction Work available?	1					
<b>2 APPOINTMENTS</b>				<b>8 ACTIVITY / CONDITIONS</b>			
2.1	Contractor to confirm if there are any new appointments to be minuted	1		8.1	Correct use of Scaffolding?	1	
2.2	Are all the appointments recorded and available in the Health and Safety File ?	1		8.2	Correct use of Support Work?	1	
<b>3 REGISTERS</b>				8.3	Workers working safely at Elevated Positions?	1	
3.1	Fire Extinguisher (stores, site office etc.)	1		8.4	Safe Operations?	1	
3.2	Ladders	1		8.5	Barricading?	1	
3.3	Scaffolding	1		8.6	Roof work: Harnesses & Lifelines?	1	
3.4	Excavations	1		8.7	Excavation: Shoring & Batter?	1	
3.5	Form / Support Work	1		8.8	Manholes: Demarcated?	1	
3.6	Portable Electrical Tools	1		8.9	Ladders Conditions?	1	
3.7	Hand tool Inspection	1		8.10	Construction Vehicle Condition?	1	
3.8	Personal Protective Equipment & Clothing (PPE & C)	1		8.11	Haz. Chem. Substances Applications?	1	
3.9	Explosive Powered Tools	1		8.12	Hand tools properly used and in good condition?	1	
3.10	Crane	1		<b>9 PERSONAL PROTECTIVE EQUIPMENT</b>			
3.11	Lifting Machines	1		9.1	Correctly issued (documented in file)?	1	
3.12	Lifting Tackle	1		9.2	Used correctly?	1	
3.13	Construction Vehicles	1		<b>10 ELECTRICAL</b>			
3.14	Material/ Man Hoist	1		10.1	DB's & COC's?	1	
3.15	Hazardous Chemical Register	1		10.2	Good Plugs / Earth Wire?	1	
<b>4 FACILITIES</b>				10.3	Electrical Leads / Condition?	1	
4.1	Hygiene Inspection performed?	1		10.4	Portable Electrical Tools?	1	
4.2	Toilets adequate and clean for workers?	1		<b>11 HOUSEKEEPING</b>			
4.3	Change Area available?	1		11.1	Good Stacking & storage?	1	
4.4	Eating Area available for workers?	1		11.2	Cement spillage control?	1	
4.5	Washing Area available for workers?	1		11.3	Dust control?	1	
<b>5 INCIDENT MANAGEMENT</b>				11.4	Placing of Sand / Stone / Bricks/ materials?	1	
5.1	First Aid Box adequate and available?	1		<b>12 SITE ESTABLISHMENT</b>			
5.2	First Aider on site & valid First Aid Certificate in place?	1		12.1	Office	1	
5.3	Any incidents to report; ( Annexure 1 report; recur/investigation; record to FEM)?	1		12.2	Stores	1	
<b>6 SIGNS</b>				12.3	Fencing / Hoarding	1	
6.1	"No Unauthorized Entry" Signs?	1		12.4	Access Control	1	
6.2	"Danger Construction Work" signs?	1		<b>13 RECORDS</b>			
6.3	"Danger Lifting Operations" sign?	1		13.1	OHS Act; OHS spec; Construction Regulations	1	
6.4	"Hard Hats" sign?	1		13.2	SANS 10085 (Scaffolding)	1	
6.5	"Dust Mask" sign?	1		13.3	Safety Rep. Inspections	1	
6.6	"Ear Protection" sign?	1		13.4	Safety Meetings (Toolbox Talks and/ or Safety Committee)	1	
6.7	"Eye Protection" sign?	1		13.5	Employees Induction	1	
6.8	"Safety Harness" sign?	1		13.6	Visitors Inductions	1	
6.9	"No Smoking" sign?	1		13.7	Job Assessments	1	
6.10	Scaffold use: "Safe" or "Unsafe" signs?	1		13.8	Medical Certificates	1	
6.11	"Emergency Assembly Point" sign?	1		13.9	Training Certificates (Crane, Lifting Machines, Vehicles, Scaffold, Safety Rep., TLB, Water Cart, Grader, Excavator, Roller, Front Loader, Mobile Crane, Bob-Cat, Bomag, Wacker and Tipper Trucks)	1	
<b>TOTAL POINTS TO BE AWARDED</b>						<b>82</b>	
<b>TOTAL POINTS AWARDED</b>						<b>0</b>	
<b>PERCENTAGE (%)</b>						<b>0.00%</b>	
The Principal Contractor's Score Achieved is:		<b>0.00%</b>					
Compliance with Construction Regulations 2003 is SATISFACTORY / UNSATISFACTORY (delete which is N/A)							

**ADDITIONAL SPECIFICATION****SJ COVID-19 GUIDELINES FOR MANAGEMENT OF RISK ON CONSTRUCTION SITES****CONTENTS**

- SJ 01 SCOPE**
- SJ 02 SPECIFICATIONS, ACTS AND REGULATIONS**
- SJ 03 GENERAL REQUIREMENTS**
- SJ 04 DEGREE OF RISK PER SITE TYPE**
- SJ 05 RISK MITIGATION PLAN**
- SJ 06 MEASUREMENT AND PAYMENT**

**SJ 01 SCOPE**

This specification covers guidelines and requirements to reduce the risk of a COVID-19 outbreak in the workplace and the possible impact on workers and the public.

**SJ 02 SPECIFICATIONS, ACTS AND REGULATIONS****SJ 02.01 GENERAL STANDARD SPECIFICATIONS**

The latest edition, including all amendments up to the date of tender, of the following specifications, publications and codes of practice shall be read in conjunction with this specification and shall be deemed to form part thereof:

<b>CODE</b>	<b>DESCRIPTION</b>
SH	HIV/AIDS Requirements
SI	OHS Act: Health and Safety
SANS 1200	Standard Specifications. A. General.

**SJ 02.02 ACTS AND REGULATIONS**

All regulations and statutory requirements as laid down in the latest edition of the following Acts and Regulations shall be adhered to:

<b>ACT</b>	<b>DESCRIPTION</b>
Act No. 85 of 1993	Occupational Health and Safety Act
	Construction Regulations, 2014
	Hazardous Biological Agents Regulation, 2000
Act No. 57 of 2002	Disaster Management Act
	COVID-19 Occupational Health and Safety Measures in Workplaces Covid-19 (C19 OHS), 2020
	Section 27(2) Regulations, 29 April 2020



**SJ 02.03 MANUFACTURERS' SPECIFICATIONS, CODES OF PRACTICE AND INSTALLATION INSTRUCTIONS**

All equipment and materials shall be installed, serviced and repaired strictly in accordance with the manufacturers' specifications, instructions and codes of practice.

**SJ 02.04 MUNICIPAL REGULATIONS, LAWS AND BY-LAWS**

All municipal regulations, laws, by-laws and special requirements of the Local Authority shall be adhered to unless otherwise specified.

**SJ 03 GENERAL REQUIREMENTS**

**SJ 03.01 IMPLEMENTING WORKPLACE CONTROLS**

The legislation governing workplaces in relation to COVID-19 is the Occupational Health and Safety Act (Act 85 of 1993) as amended, in conjunction with the Hazardous Biological Agents Regulation.

A COVID-19 specific risk assessment together with a written policy concerning the health and safety of all employees, clients, suppliers and sub-contractors who are associated with the Contractor, shall be drawn up and communicated to all the relevant parties, along with mitigation measures which need to be monitored and adjusted should the need arise.

**SJ 03.01.01 WORKPLACE CONTROLS**

- All offices (including site offices) will be sanitised before opening for business each day.
- Place posters that encourage staying home when sick, cough and sneeze-etiquette, and hand hygiene at the entrances of offices and sites.
- On-site induction with special emphasis on COVID-19 will be done with all employees upon return to work.
- Provide tissues and waste bins lined with a plastic bag so that they can be emptied without contact with the contents.
- Instruct employees to clean their hands frequently using soap and water, for at least 20 seconds or with an alcohol-based hand sanitiser that contains at least 70% alcohol.
- Continue routine environmental cleaning, which includes tools and equipment.
- Increase ventilation in offices by natural or mechanical means.
- Provide soap and water and/or alcohol-based hand sanitiser (at least 70%) in the workplace in multiple locations and in common areas to encourage hand hygiene.
- Practice social distancing (2m) as far as possible (no handshakes, hugs, kissing, horseplay or touching each other). Keep distance from each other while working on site. Supervisors will monitor this throughout the day.
- While queuing at the gate to enter the site, employees must stand in a line, with at least 2m between them.

- Desks for employees working in the office (site office) will be spaced at least 1.5m apart or where this is not possible, protective barriers will be erected between desks.
- It is compulsory to wear face masks at all times. Each employee will be issued with two cloth face masks to wear at work and while commuting, with appropriate training on the use of these masks. Arrangements will be made for the washing, drying and ironing of cloth masks.
- Temperature testing will be done on all employees every morning upon arrival to site, and also randomly during the day. All readings will be recorded, monitored and sent to the SHEQ department. The testing will be conducted by the site safety officer. On sites where a full-time safety officer is not available, the responsibility will fall onto the supervisor.
- During the temperature screening, employees will be screened for any additional symptoms such as body aches, loss of smell or taste, nausea, vomiting, diarrhoea, fatigue, weakness or tiredness. The results will be recorded in the Social Distancing Control Sheet and send to the SHEQ department. If an employee displays any of the symptoms, he will not be permitted to enter the site/offices.
- In addition to posters, brief employees and sub-contractors that anyone with a mild cough or low-grade fever (37.3 or more) needs to stay at home and take sick leave.
- Any employee who develops flu-like symptoms (i.e. cough, shortness of breath, fever) or any of the additional symptoms should inform his supervisor immediately.
- Where practical, the minimum number of employees will be allowed on site, and rotation, staggered working hours and shift work may be implemented. Promote working from home for employees who are able to do so.
- All visitors to site will undergo induction and temperature screening and must be in possession of the appropriate PPE (i.e. face mask) prior to being allowed access to site. No access will be granted to visitors not complying.
- All visitors will be required to sanitize their hands before entering the site as well as when they leave.
- Sub-contractors shall ensure that all of their employees are issued with face masks and any other necessary PPE, and that hand sanitiser and soap is available for their employees.
- Temperature testing will be done by the sub-contractor and records kept. Failure to do so will result in the sub-contractor's employee/s being put off-site until compliant.
- A copy of the Essential Service Permit must be available on site at all times. All sub-contractors to provide a copy of their Permit prior to being granted permission to work.
- All employees are obliged to comply with measures introduced in the workplace.

#### **SJ 03.01.02 WHAT TO DO WHEN AN EMPLOYEE ON SITE BECOMES ILL WITH COVID-19**

If someone becomes ill in the workplace and there is reason to suspect they may have contracted or come into contact with someone who has contracted the COVID-19 virus, the person must be isolated immediately, provided with a **FFP1 surgical mask**, and transport arranged for the employee to go home to be self-isolated or for medical examination. Ensure testing is done at an identified testing site.

The Department of Health and Department of Labour will be informed of any employees testing positive for COVID-19, whereafter an investigation will be conducted to establish the cause, including any control failures. The risk assessment will be reviewed to ensure necessary controls and PPE is in place. The risk of transmission will be assessed, the employees working area disinfected.

If an employee is confirmed to have COVID-19, his/her fellow employees will be informed of their possible exposure to COVID-19 in the workplace and referred for screening, but confidentiality must be maintained at all times, and no discrimination must be shown toward an employee who tested positive for COVID-19.

If evidence exist that the employee contracted COVID-19 as a result of Occupation Exposure, a Claim for Compensation will be lodged in terms of the Compensation of Occupational Injuries and Diseases Act 1993 (Act No. 130 of 1993) in accordance with Notice 193 published on 3 March 2020.

Once an employee was positively diagnosed with COVID-19 and isolated in accordance with the Department of Health Guidelines, the employee may only return to work after he has undergone a medical evaluation confirming the employee has tested negative for COVID-19. The employee will be required to wear a face mask, maintain social distancing and adhere to cough and sneeze-etiquette. The employee will also be monitored for symptoms upon his/her return to work.

#### **SJ 03.01.03 TRANSPORT**

- Where transport is provided, occupancy of the vehicle should be reduced in line with social distancing practice.
- All passengers must wear face masks or respirators.
- All passengers to sanitise their hands before getting into the transport, as well as when disembarking.
- Transport vehicles should be sanitised before and after each trip.
- Employees making use of public transport to ensure they wear face masks and sanitise their hands regularly (before getting into the transport and when disembarking) and attempt not to touch any surfaces unless absolutely necessary.

#### **SJ 03.01.04 MEETINGS**

Wherever possible, meetings are to be held via tele or video conference in order to maintain social distancing and prevent the possible spread of COVID-19.

Toolbox talk meetings, inductions and briefing sessions should be done in open areas with social distancing in place.

Progress meetings and technical meetings will be held in the site meeting building specified as 14 meter x 5 meter = 70m<sup>2</sup> to accommodate 12 persons. The conference table will accommodate 12 attendees, 2 meters apart. The room shall be well ventilated at a maximum temperature of 22°C.





## SJ 04 DEGREE OF RISK PER SITE TYPE

BUILDING AND PROJECT TYPE	SITE SET-UP AND STAFF WELFARE	CONSTRUCTION STAGE
<b>Lower Risk</b>	For most, but not all project construction stage risk may be as follows:	For most but not all sites, set-up risk may be as follows:
Industrial, Logistical, Roads and Bridge Construction	<b>Lower Risk</b>	<b>Lower Risk</b>
<b>Medium Risk</b>	<ul style="list-style-type: none"> <li>Excavation and groundworks</li> <li>Foundations and Piling</li> </ul>	<ul style="list-style-type: none"> <li>Large Sites</li> </ul>
Residential Accommodation	<b>Medium Risk</b>	<b>Medium Risk</b>
High Risk	<ul style="list-style-type: none"> <li>Basement and Substructure</li> <li>Structural Frame</li> <li>Roofing</li> <li>Interior First Fix</li> <li>Interior Second Fix</li> </ul>	<ul style="list-style-type: none"> <li>Site and management offices</li> </ul>
Healthcare facilities, Correctional Centers, Military Bases, Police Stations, Magistrates Offices	<b>High Risk</b>	<b>High Risk</b>
	<ul style="list-style-type: none"> <li>Cladding and Glazing</li> <li>M+E and Lifts</li> <li>Interior First Fix</li> <li>Interior Second Fix</li> </ul>	<ul style="list-style-type: none"> <li>Scaffolding</li> <li>Travel to and from site and access to site</li> <li>Horizontal walkways and vertical access</li> <li>Staff changing and locker rooms</li> <li>Showers and toilets</li> <li>Confined Spaces</li> <li>Confined Sites</li> </ul>
	<b>GUIDLINE</b>	<b>GUIDLINE</b>
	For each construction contract there will be different levels of risk and it will be critical to evaluate the specific risks of each individual project.	For each construction site there will be different levels of risk and it will be critical to evaluate the specific risk of each individual project.

## SJ 05 RISK MITIGATION PLAN

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<b>Demographics of Labour:</b> <ul style="list-style-type: none"> <li>Inadequate procedures in place to identify potential infected employees and workers</li> <li>Manage the exposure to COVID-19 on the project, including visitors and suppliers</li> </ul>	Contractor is to maintain a register of all employees and workers on the project, including Sub-Contractors (inclusive of employees and workers) and Professional Team, keeping records of the following information as a minimum (Note: the NIOH document that is currently available): <ul style="list-style-type: none"> <li>Name</li> <li>Age of employee/visitor</li> <li>Contact Details</li> <li>Health status</li> <li>Socio-economic status/unskilled labour (work force)</li> <li>Accommodation arrangements (work force)</li> </ul>	<b>CONTRACTOR</b>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p><b>Origin of labour and transportation</b> Need to minimize the risk of exposure to virus whilst in transport</p>	<ul style="list-style-type: none"> <li>• <b><u>On site transportation:</u></b> Where on site transportation is done, a policy needs to be available for how such transportation will be made safe and limit any opportunity for cross infection. If possible, the Principal Contractor should provide their own transportation of work force. (Where not possible, use of public transport can be considered to comply to transport limitations)</li> <li>• <b><u>Parking areas:</u></b> Private and public vehicles are required to park outside of the construction site</li> <li>• Support staff for professional service providers are to work from office location or from home</li> <li>• <b><u>Education and information:</u></b> Information boards are required at entrance of sites and within Site Offices with information on the virus and precautions to be taken during working hours and traveling.</li> <li>• <b><u>Social Distancing:</u></b> <ul style="list-style-type: none"> <li>○ <b><u>On site:</u></b> As far as possible, work activities must be so arranged that social distance is kept to a minimum of 2 metre.</li> <li>○ <b><u>Site office:</u></b> seating arrangements must be of such that social distancing for roll players is kept to a minimum of 1 metre, ie; '<b><u>ONE CHAIR. SKIP CHAIR. ONE CHAIR. SKIP CHAIR</u></b>'.</li> <li>○ Roll players must be limited to Professional Team and principal contractor.</li> <li>○ Facial Masks must be worn at all times by all roll players.</li> <li>○ Contractor work force when on site and transportation to and from site, where hand gloves can be used, they should be worn at all times to minimize touching of possible contaminated surfaces and injury.</li> </ul> </li> </ul>	<p style="text-align: center;"><b>CONTRACTOR AND PROFESSIONAL TEAM</b></p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p><b>Public transportation across boarders/towns/cities</b></p> <p>Where a return to work will necessitate travel between Provinces and cities for employees and workers to return to the project, The Principal Contractor and Sub-Contractors are to have in place procedures for or provision of transport for the return of workers to minimize the risk of exposure to the virus whilst in transit.</p>	<p><b>The contractor to source/recommend a transport service provider that complies with all travel restrictions and requirements as gazetted by the government, inter alia:</b></p> <ul style="list-style-type: none"> <li>• Maximum occupancy of vehicles to allow for social distancing</li> <li>• Vehicles sanitized before passengers board</li> <li>• Passengers provided with Face Masks and hand sanitizers provided within vehicles for passengers sanitization before boarding and after returning from vehicles for comfort breaks</li> <li>• Regular testing of body temperature</li> <li>• Adequate number of vehicles to be provided to comply with the maximum occupancy</li> <li>• Principal Contractor to put in place procedures for sanitization of personal belongings and luggage of work force on arrival at final destination</li> <li>• Permits to be provided per vehicle and per passenger from Authorising Authority</li> </ul>	<p><b>CONTRACTOR</b></p>
<p><b>Social Distancing:</b></p> <p>Construction site and facilities not set up in such a way that it will be possible as far as is practicable to maintain the required social distancing of 2 metres between persons when at work</p> <p><b>Risk:</b></p> <p>Manual labour for physical tasks and tasks that will not allow for social distancing;</p>	<p><b><u>Tasks that require more than 1 person to complete:</u></b></p> <ul style="list-style-type: none"> <li>• Providing adequate supplies of suitable PPE such as face masks, task specific gloves, safety glasses, disposable/additional coveralls;</li> <li>• PPE used during multi-person activities to be exchanged immediately after the task is completed;</li> <li>• Sealed bins to be provided for disposable PPE such as masks, disposable coveralls, disposable gloves, etc.;</li> <li>• Sealable bags provided to each person for keeping PPE requiring laundering, such as gloves and coveralls, and</li> <li>• Sanitizing/washing facilities provided for immediate sanitizing of hard hats, safety glasses, shoes, safety harnesses etc, on completion of multi-person tasks</li> </ul>	<p><b>CONTRACTOR</b></p>



RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p><b>Site access by non-employees/security access</b></p> <p>Inadequate access control measures in places</p>	<ul style="list-style-type: none"> <li>• Stop all non-essential visitors</li> <li>• All employees and non-employees to be screened with non-contact thermometers (Thermal Thermometers);</li> <li>• Body temperature checks with thermometer upon employee's arrival and departure;</li> <li>• Introduce staggered start and finish times to reduce congestion and contact at all times;</li> <li>• Take body temperatures of anybody stepping on or off site;</li> <li>• Monitor site access points to enable social distancing;</li> <li>• Number of access points to be reduced to enable controlled monitoring;</li> <li>• Ensure disinfectants are in place for disinfecting of shoes on entering/leaving the site;</li> <li>• Provide hand sanitizer for all entering the site to sanitize hands;</li> <li>• Allow social distancing of 2 metres in queues for all entering the site;</li> <li>• Regular cleaning of common contact surfaces areas, e.g.; desks, telephones handsets, site office door handles, chairs, etc.;</li> <li>• Drivers of suppliers of materials and goods and services must remain with their vehicles if load will allow it, if not, drivers are to wash hands before unloading goods and materials</li> </ul>	<p style="text-align: center;"><b>CONTRACTOR</b></p>
<p><b>Alcohol and Drug Testing</b></p> <p>Lack of safe testing procedures in place for alcohol and drug testing</p>	<ul style="list-style-type: none"> <li>• Alcohol testing may only be done using single use test units, and must be disposed of in the appropriate contaminated waste bins provided on site;</li> <li>• Drug testing will only be done by an occupational health facility either using urine or blood sampling;</li> <li>• A protocol will be drawn up by the Principal Contractor to manage this with the occupational health service being used.</li> </ul>	<p style="text-align: center;"><b>CONTRACTOR</b></p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p><b>Medical Surveillance</b></p> <p>No methodology in place as part of the normal requirements for pre-placement, periodic and exit medicals that includes factors related to COVID-19</p>	<ul style="list-style-type: none"> <li>• The normal requirements of pre-placement, periodic and exit medicals will remain, with the Occupational health service providing a methodology of how they will be including factors relating to Covid-19. No lung functions or peak flows will be done until deemed safe to do so by the South African Thoracic Society.</li> <li>• It is preferable that occupational health service providers use a cloud-based record keeping service to ensure easy tracking and tracing. Free apps such as Square 1 is such an example.</li> <li>• Any person who contracts the virus may need to be reported to the Compensation Commissioner as an occupational disease where their work is to monitor and in contact with others. Such details are provided in the Compensation for Injuries and Diseases Act (COIDA).</li> <li>• Isolation of workers who have a temperature or any symptoms, and removal to the closest facility for testing and treatment, through the numbers provided. The PC is to ensure their policy on this includes such information.</li> <li>• Workers will be required to complete COVID-19 questionnaires prior to returning to site. Any worker with any symptoms is not to return to work, or notify the PC of same.</li> </ul>	<p style="text-align: center;"><b>CONTRACTOR</b></p>
<p><b>Ablution Facilities on Site</b></p> <p>Unhygienic ablution facilities leading to poor hygiene</p>	<ul style="list-style-type: none"> <li>• Restrict the number of people using toilet facilities at any one time. e.g. use a welfare attendant;</li> <li>• Hand washing facilities (soap and water, paper towel) to be available where possible, and if not, to provide hand sanitizer. Wash hands before and after using the facilities</li> <li>• Induction training to educate to ensure all users are hand washing correctly;</li> <li>• Enhance the cleaning regimes for toilet facilities particularly door handles, locks and the toilet flush handle. Flush toilets preferably 1:15 ratio unless increased cleaning regime present;</li> <li>• Portable toilets should be avoided wherever possible, but where in use these should be cleaned and emptied more frequently. Portable toilets to be provided at a 1:10 ratio;</li> <li>• Provide suitable and enough rubbish bins for hand towels with regular removal and disposal be cleaned and emptied more frequently;</li> <li>• Introduce staggered start and finish times to reduce congestion and contact at all times;</li> <li>• Consider increasing the number or size of facilities available on site if possible.</li> </ul>	<p style="text-align: center;"><b>CONTRACTOR AND EMPLOYEES</b></p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p><b>Waste Management for Covid-19 Waste</b></p> <p>Outdated waste management arrangements in place that leads to an increased risk of the spread of Covid-19</p>	<p>Waste management arrangements to be updated to include provision for the disposal of additional waste generated due to preventative measures implemented. All waste to be managed as hazardous waste.</p> <p><b>a. Disposal of any gloves, masks</b></p> <p>The contractor shall dispose of all used gloves and masks as hazardous waste and provide sealable bags and containers for the safe disposal of this waste.</p> <p><b>b. Paper towels</b></p> <p>The contractor shall provide adequate supplies of paper towels on site. At points where these towels are provided lined waste bins to be placed in order to collect all used towels and then to be disposed of in hazardous waste.</p> <p><b>c. Disinfectant solution</b></p> <p>The contractor to provide adequate supplies of disinfectant on site where the use of water and soap for cleaning is not practical. If disinfectant dispensers are not refilled it should be disposed with other hazardous waste.</p> <p><b>d. Wastewater</b></p> <p>Wastewater at washing points, toilets, and bathrooms to be contained in a drainage system that prevent surface spills. If wastewater is contained in waste buckets it must be sealed when removed and disinfected after it is cleaned.</p>	<p><b>CONTRACTOR</b></p>
<p><b>Site Meetings</b></p> <p>Not limiting the number of employees at all activities to the minimum required to do the work in a safe manner.</p>	<p>Only necessary meeting participants should attend.</p> <ul style="list-style-type: none"> <li>• Attendees should be two metres apart from each other.</li> <li>• Rooms should be well ventilated / windows opened to allow fresh air circulation.</li> <li>• Consider holding meetings in open areas where possible.</li> <li>• Technological alternatives to be exploited for meeting</li> <li>• Attendance if possible (Zoom, Skype, MS Teams).</li> <li>• Training and awareness to address procedures and the importance of social distancing.</li> <li>• Toolbox talks to be conducted outdoors when possible in order for persons to maintain social distancing. Where inclement weather does not allow for this, toolbox talks to be conducted with smaller groupings of workers in a sheltered area large enough to maintain social distancing.</li> </ul>	<p><b>CONTRACTOR</b></p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p><b>Signage</b></p> <p>Conflicting messages/notices displayed on the site in contravention with current requirements to respond to Covid-19</p>	<p>The Principal Contractor is to review all current signs and notices displayed on site. The PC is to avoid conflicting messages/notices that have been in place prior to lockdown and review accordingly.</p> <p><b>a. Access rules</b></p> <p>The contractor shall install additional signage with site rules specific to the prevention of spreading the COVID-19 virus at the access control points of the site.</p> <p><b>b. Notices/Posters with protocols</b></p> <p>Notices and posters shall be placed and installed to raise awareness and regarding protocols to be followed on site. These notices and posters shall be placed conspicuously at various points on the site including the following places:</p> <ul style="list-style-type: none"> <li>• Entrance</li> <li>• Site notice board</li> <li>• Site Office</li> <li>• Eating areas</li> <li>• Next to toilets and bathrooms</li> <li>• Hand washing stations</li> <li>• Storerooms</li> </ul>	<p style="text-align: center;"><b>CONTRACTOR</b></p>
<p><b>Emergency Planning</b></p> <p>Emergency plan not completed and undated in line with current Regulations of the National Disaster Management Act</p>	<p>An updated emergency plan is to be completed that is in line with the current Regulations of the National Disaster Management Act.</p> <p><b>a. First aid</b></p> <p>Extra gloves, and disinfectants are to be available, first aiders are to be issued with at least FFP2 masks should they be required to respond</p> <p><b>b. Evacuation plans</b></p> <p>Evacuation plans should consider social distancing.</p> <p><b>c. Isolation of potentially infected workers</b></p> <p>The emergency plan is to consider how anyone who arrives on site and displays any of the symptoms, or has a raised temperature.</p>	<p style="text-align: center;"><b>CONTRACTOR</b></p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p><b>Welfare facilities</b></p> <p>Lack of procedures and arrangements for the provision of welfare facilities to prevent the spread of Covid-19 between employees on site</p>	<p>The Principal Contractor shall adapt arrangements regarding the provision of welfare facilities to be in line with Government guidelines and requirements.</p> <p><b>a. Clean, storage for food and personal belongings</b></p> <p>The Principal Contractor to provide lockable storage for all employees on site, which shall be disinfected daily. Training and awareness to address procedures and the importance of good hygiene practice.</p> <p><b>b. No personal belongings to be kept on site</b></p> <p>Apart from extra clean personal clothing no other personal belongings allowed on site except if kept in locker provided by the Principal Contractor.</p> <p><b>c. No communal drinking facilities (shared cups etc.)</b></p> <p>The Principal Contractor to provide adequate supplies of bottled water to all employees on site. Empty bottles to be disposed of as normal waste. Training and awareness to address procedures and the importance of good hygiene practice.</p> <p><b>d. Eating areas</b></p> <p>The Principal Contractor is to limit the number of employees at all activities to the minimum. Stagger lunchbreaks and resting periods for work teams. Training and awareness to address procedures and the importance of good hygiene practice and social distancing.</p> <ul style="list-style-type: none"> <li>• Workers are required to stay on site once they have entered it and not use local shops.</li> <li>• Dedicated eating areas should be identified on site to reduce food waste and contamination.</li> </ul> <p>Where catering is provided on site, it should provide pre-prepared and wrapped food only;</p> <ul style="list-style-type: none"> <li>• Payments should be taken by contactless card wherever possible;</li> <li>• Crockery, eating utensils, cups etc. should be disposable if supplied;</li> <li>• Drinking water should be provided with enhanced cleaning measures of the tap mechanism introduced;</li> <li>• Tables should be cleaned and disinfected between each use;</li> <li>• All rubbish should be put straight in the bin and not left for someone else to clear up;</li> <li>• All areas used for eating must be thoroughly cleaned at the end of each break and shift, including chairs, door handles, vending machines and payment devices.</li> </ul>	<p style="text-align: center;"><b>CONTRACTOR AND EMPLOYEES</b></p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p><b>Consequence Management</b></p> <p>Inadequate processes and procedures in place for consequence management</p>	<ul style="list-style-type: none"> <li>When non-compliance activities are noted, that activity will be stopped. Should the remedial actions not take place the site will be shut down till the corrective actions have been implemented.</li> <li>Employees that do not work according to the SSHSS and SSHSP must be disciplined according to the company's disciplinary codes and practices.</li> <li>Supervisory employees on site must ensure compliance, and when non conformances are noted disciplinary actions should also be followed.</li> <li>Principal Contractor's should note that they could be fined and even according to the Disaster Management Act, arrested.</li> </ul>	<p><b>CONTRACTOR</b></p>

**SJ 06      MEASUREMENT AND PAYMENT**

**SJ 06.01      APPOINTMENT OF A COVID-19 AWARENESS CHAMPION .....Unit: Month**

The unit of measurement shall be for the number of months the Awareness Champion is employed.

The tender rate shall include the training of the person on basic COVID-19 information and regulations and to ensure that the person has the necessary skills to handle questions and apply correct procedures regarding the COVID-19 regulations.

**SJ 06.02      ARRANGING AWARENESS WORKSHOP..... Unit: Number**

The unit of measurement shall be for the number of events arranged.

The tender rate shall include the cost of the service provider, suitable venue and all tuition material and performing assessment procedures.

**SJ 06.03      PROVIDING PERSONAL PROTECTIVE EQUIPMENT (PPE)..... Unit: Month**

The unit of measurement shall be for the number of months the Contractor must provide PPE to all workers on site.

The tender rate shall include for face masks, gloves, tissues, towels etc. for all workers for the full construction period of 24 months.

**SJ 06.04      PROVIDING SANITIZING/WASHING FACILITIES..... Unit: Month**

The unit of measurement shall be for the number of months the Contractor must provide sanitizing and washing facilities on site for the total 24 month contract period.

The tender rate shall include for providing sanitizing and washing facilities for all construction workers at all the different construction sites for all PPE equipment as specified.

**SJ 06.05**     **ADDITIONAL ABLUTION FACILITIES**.....Unit: Number

The unit of measurement shall be for the number of facilities on the different construction sites.

The tender rate shall include for the construction of sanitizing and washing facilities consisting of a concrete floor area min 3 x 3 meter with 3 hand wash basins and IBR roof covering, including 5000ℓ water tank on stand, as well as soak away for grey water. The facilities to be maintained for the duration of construction at each site.

**SJ 06.06**     **SITE MEETING VENUE**..... Unit: Sum

The unit of measurement shall be for the additional cost relating to the site meeting venue building as specified in SANS 1200 and PS 5.4.

The additional rate shall include for the additional m<sup>2</sup> size of the building and furniture which will consist of a separate chair and an 800mm x 600mm table desk for each of the 12 places.

**SJ 06.07**     **PROVIDE NOTICES AND POSTERS**.....Unit: Month

The unit of measurement shall be for the posters and information notices and booklets to raise awareness and to share information about COVID-19.

The posters and notices must be maintained at places as indicated in Item 1.10.7 at all the different construction sites for the duration of construction.

**SJ 06.08**     **PROVIDE SCREENING FACILITY**..... Unit: Month

The unit of measurement shall be for the provision of a screening facility to accommodate workers daily at the start of every working day, including provision of infrared forehead thermometers and the maintenance of the equipment for the duration of the 24 month contract period.

## **ADDITIONAL SPECIFICATION**

### **SN IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)**

#### **CONTENTS**

SN 01	SCOPE
SN 02	TERMINOLOGY AND DEFINITIONS
SN 03	APPLICABLE LABOUR LAWS
SN 04	EMPLOYMENT OF UNSKILLED AND SEMI-SKILLED WORKERS IN LABOUR INTENSIVE WORKS
SN 05	TRAINING OF EPWP WORKERS
SN 06	CONTRACTUAL OBLIGATIONS IN RELATION TO LABOUR
SN 07	SETTING OF RATE OF PAY
SN 08	GENERIC LABOUR INTENSIVE SPECIFICATION
SN 09	REPORTING
SN 10	MEASUREMENTS AND PAYMENT

#### **SN 01 SCOPE**

This project is part of the Expanded Public Works Programme and aims to alleviate and reduce unemployment. EPWP will achieve this aim through the provision of work opportunities as part of the project. EPWP workers will be recruited and trained in skills relevant to the work to be done on this project. These workers will be employed by the Contractor as part of this project so that they can gain work experience on these projects. The Contractor will be required to manage, supervise and report on the EPWP workers, monthly, for a period of 36 months. Furthermore the Contractor will be required to supervise these EPWP workers to ensure that the work they perform is of the required standard.

Labour-intensive infrastructure projects under the EPWP include:

- using labour intensive construction methods to provide employment opportunities to local unemployed people;
- providing training or skills development to those locally employed workers;
- building cost-effective and quality assets.

The employment of locally employed temporary workers on all EPWP labour-intensive infrastructure projects must be in accordance with the Code of Good Practice for Employment and Conditions for Expanded Public Works Programmes issued in terms of the Basic Conditions of Employment Act, 1997 (Act N°75 of 1997)..

#### **SN 02 TERMINOLOGY AND DEFINITIONS**

##### **SN 02.01 TERMINOLOGY**

- a) BY HAND refers to the use of tools which are manually operated and powered.



- b) EPWP Expanded Public Works Programme, a National Programme of the government of South Africa, approved by Cabinet.
- c) DOL Department of Labour. Labour-intensive refers to methods of construction involving a mix of machines and labour, where labour, utilising hand tools and light plant and equipment, is preferred to the use of heavy machines, where technically and economically feasible.(Note: The normal emphasis on the cost-effectiveness and quality of the asset must be retained.)
- d) Public body refers to a department, trading entity, constitutional institution, municipality, public entity or municipal entity
- e) Scope of work refers to a specification and description of the services or construction works which are to be provided and any other requirements and constraints relating to the manner in which the contract is to be performed

**SN 02.02 DEFINITIONS**

- (a) “employer” means the contractor or any party employing the worker under the EPWP Programme.
- (b) “client” means the Department of Public Works.
- (c) “worker” means any person working or training in an elementary occupation on an EPWP.

**SN 03 APPLICABLE LABOUR LAWS**

In line with the Expanded Public Works Programme (EPWP) policies, the Code of Good Practice for Employment and Conditions of Work for Expanded Public Works Programmes read in conjunction with a Ministerial Determination for Expanded Works Programmes issued by the Minister of Labour in terms of Section 50(1) of the Basic Conditions of Employment Act of 1997 of which extracts have been reproduced below in clauses SN 04, shall apply to works described in the scope of work and which are undertaken by unskilled or semi-skilled workers.

**SN 04 EMPLOYMENT OF UNSKILLED AND SEMI-SKILLED WORKERS IN LABOUR INTENSIVE WORKS**

**SN 04.01 REQUIREMENTS FOR THE SOURCING AND ENGAGEMENT OF LABOUR**

The beneficiaries of the programmes should be locally-based (as close to the project site as possible) individuals prepared to work on the specific EPWP.

In order to spread the benefits as broadly as possible in the community, a maximum of one person per household should be employed, taking local available labour into account.

Workers from other areas may be employed if they have skills that are required for a project and there are not enough persons in the local communities who have those skills or who could undergo appropriate skills training. However, workers from other communities should not exceed 20% of all persons working on a programme. A proper skills audit should be conducted, where possible, in an area where an EPWP is in operation.

Programmes should set participation targets for employment with respect to women, youth, and people with disabilities.

The proposed targets are:

- 55% women;
- 40% youth from 16 to 35 years of age; and
- 2% people with disabilities.

EPWPs should seek to achieve these targets in all occupational categories. Persons under sixteen years of age may not be employed on EPWP.

#### **SN 04.02      **SPECIFIC PROVISIONS PERTAINING TO SANS 1914-5****

##### **Definitions**

Targeted labour: Unemployed persons who are employed as local labour on the project.

##### **Contract participation goals**

- The specified contract participation goal for the contract is stated in the Scope of Works. The contract participation goal shall be measured in the performance of the contract to enable the employment provided to targeted labour to be quantified.
- The wages and allowances used to calculate the contract participation goal shall, with respect to both time-rated and task rated workers, comprise all wages paid and any training allowance paid in respect of agreed training programmes.
- Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts shall be entered into with targeted labour.

The definition for net amount shall be amended as follows:

- Financial value of the contract upon completion, exclusive of any value added tax or sales tax which the law requires the employer to pay the contractor.

#### **SN 05      **TRAINING OF EPWP WORKERS****

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

Three types of training are applicable, namely

- Life skills;
- On the job training;
- First Aid training;
- Technical Skills training.

Training will be implemented by training instructors accredited by DOL and/or CETA:

- EPWP workers shall be employed on the projects for a minimum period of 12 months.
- EPWP workers shall be deployed on projects in the vicinity of their homes. The same arrangements as for other workers regarding accommodation, subsistence and travel shall be applicable to EPWP workers.
- (a) The contractor shall provide all the necessary on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract in a manner that does not compromise worker health and safety.
- (b) The cost of the formal training of targeted labour, will be funded by the provincial office of the Department of Labour. This training should take place as close to the project site as practically possible. The contractor, must access this training by informing the relevant provincial office of the Department of Labour in writing, within 14 days of being awarded the contract, of the likely number of persons that will undergo training and when such training is required. The employer must be furnished with a copy of this request.
- (c) A copy of this training request made by the contractor to the DOL provincial office must also be faxed to the EPWP Training Director in the Department of Public Works – Cinderella Makunike, Fax Number 012 328 6820 or email [cinderella.makunike@dpw.gov.za](mailto:cinderella.makunike@dpw.gov.za) Tel: 083 677 4026
- (d) The contractor shall be responsible for scheduling the training of workers and shall take all reasonable steps to ensure that each beneficiary is provided with a minimum of six (6) days of formal training if he/she is employed for 3 months or less and a minimum of ten (10) days if he/she is employed for 4 months or more.
- (e) The contractor shall do nothing to dissuade targeted labour from participating in the above mentioned training programmes.
- (f) An allowance equal to 100% of the task rate or daily rate shall be paid by the contractor to workers who attend formal training, in terms of (d) above.
- (g) Proof of compliance with the requirements of (a) to (e) must be provided by the Contractor to the Employer prior to submission of the final payment certificate.

**SN 06 CONTRACTUAL OBLIGATIONS IN RELATION TO LABOUR**

The EPWP workers to be employed in the programme (EPWP) shall be directly contracted to the Contractor. Over and above the construction and project management responsibilities, the contractor will be expected to perform the tasks and responsibilities as set out in this specification.

Implementation of labour intensive practices under the Expanded Public Works Programme (EPWP) is required to a value of not less than 10% of the tendered contract amount for wages paid to local labour.

**SN 07 PAYMENT OF WORKERS**

Employers must pay workers at least the minimum rate as stipulated in the Ministerial Determination: Expanded Public Works Programme

Workers can be paid on the basis of the number of tasks completed. These workers are referred to as “task-rated workers”. Alternatively, workers can be paid on a daily rate.

There are jobs where it is not possible to pay workers on the basis of tasks performed. These workers must be paid on the basis of the amount of time they worked. They are referred to as “time-rated workers”.

On the task-based system, a worker is paid for each task completed or part thereof.

If workers are informed a day before that work will not take place the next day, they should not be entitled to any payment.

Workers will be paid a training allowance in case they are required to attend agreed training programmes. This should be equal to 100% of the daily task rate for task-rate workers or 100% of the daily rate of pay for time-rated workers. All the costs of training will be covered, for example, travel, trainers, material, tuition fees.

Where a worker participates in a learnership, the relevant learnership determination must be used to determine the training allowance whilst on training.

Each worker must be given written particulars of employment and verbal explanations in an appropriate language of their rate of pay and how this is to be calculated.

Where a project is completed earlier than anticipated the worker should receive the full agreed remuneration for the stipulated period of the contract if the pay for the task was to be calculated on the basis of time. Where such work was to be performed on a task-based system, the full agreed remuneration for the task should be paid for early completion.

#### **SN 07.02 Penalty for non achievement of Local Labour Target (LLT)**

The Contractor will be assessed on a quarterly basis in the event that the Contractor fails to substantiate that any failure to achieve the Local Labour Target (LLT) was due to quantitative underruns, the elimination of items, or any other reason beyond the Contractor's control which may be acceptable to the Employer, the Contractor shall pay to the Employer penalties (P) in an amount determined in accordance with the following formula:

$$P = 1 \times \frac{(0 - Do)}{(100)} \times NA$$

Where D = tendered Local Labour Target (LLT) percentage.

Do = the Local Labour Target (LLT) which the Employer's Representative, based on the credits passed, certifies as being achieved upon completion of the Contract.

NA = Net Amount, being Tender Sum excluding VAT and CPA

P = Rand value of penalty payable

#### **SN 08 GENERIC LABOUR INTENSIVE SPECIFICATION**

The Generic Labour-intensive specification below is the same as SANS 1921-5, Construction and management requirement for works contracts- Part 5: Earthworks activities which are to be performed by hand and should be included in the scope of works without amendment or modification as set out below.

**SN 08.01**      **Scope**

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- a) Trenches having a depth of less than 1.5 metres
- b) Cleaning of storm water drainage
- c) Cleaning of roads and sidewalks
- d) Clearing of fence routes
- e) Cleaning and site keeping
- d) Cleaning of buildings

**SN 08.02**      **Precedence**

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail.

**SN 08.03**      **Hand excavateable material**

Hand excavateable material is material:

- a) granular materials:
  - i) whose consistency when profiled may in terms of table 1 be classified as very loose, loose, medium dense, or dense; or
  - ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;
- b) cohesive materials:
  - i) whose consistency when profiled may in terms of table 1 be classified as very soft, soft, firm, stiff and stiff / very stiff; or
  - ii) where the material is a gravel having a maximum particle size of 10 mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100 mm;

**Note:**

- i) A boulder, a cobble and gravel is material with a particle size greater than 200 mm, between 60 and 200 mm.
- ii) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400 mm and drives a cone having a maximum diameter of 20 mm (cone angle of 60° with respect to the horizontal) into the material being used.

**SN 08.04**      **Trench excavation**

All hand excavateable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

**SN 08.05      Compaction of backfilling to trenches (areas not subject to traffic)**

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers

- a) to 90% Proctor density;
- b) such that in excess of 5 blows of a dynamic cone penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or
- c) such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

**SN 08.06      Excavation**

All hand excavateable material including topsoil classified as hand excavateable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand.

The excavation of any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

**SN 08.017      Clearing and grubbing**

Grass and small bushes shall be cleared by hand.

**SN 08.08      Shaping**

All shaping shall be undertaken by hand.

**SN 08.09      Loading**

All loading shall be done by hand, regardless of the method of haulage.

**SN 08.10      Haul**

Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150 m.

**SN 08.11      Offloading**

All material, however transported, is to be off-loaded by hand, unless tipper-trucks are utilised for haulage

**SN 08.12      Spreading**

All material shall be spread by hand.

**SN 08.13      Compaction**

Small areas may be compacted by hand provided that the specified compaction is achieved.

**SN 08.14      Grassing**

All grassing shall be undertaken by sprigging, sodding, or seeding by hand.

**SN 08.15 Stone pitching and rubble concrete masonry**

All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must to be collected, loaded, off loaded and placed by hand.

Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150 m.

Grout shall be mixed and placed by hand.

**SN 08.16 Manufactured Elements**

Elements manufactured or designed by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320 kg. In addition the items shall be large enough so that four workers can conveniently and simultaneously acquire a proper hand hold on them.

**SN 08.17 Roads**

The following operations may be carried out using labour intensive methods:

1. Site clearance
2. Layer work construction including loading, hauling and spreading material.

Note: All compaction should be done using conventional compaction equipment and where necessary the use of heavy machinery may be employed to loosen material for excavation by hand. Where significant use of blasting is indicated, then the Works are probably not suitable for labour intensive methods.

3. Where higher standards of roads are to be constructed then the following operations may be included:
  - Macadam base course either dry, water bound or emulsion bound; foamed bitumen gravel; emulsion treated gravel; or slurry bound or composite macadams.
  - Application of bitumen bound surface treatment (cold) including spreading and dragging of chips.
  - Slurry treatments to existing or new road surfaces.
  - In situ concrete roads
  - Segmented block paved roads.
  - Cast in-situ block pavements (hyson-cells);
  - Road markings.
4. Fencing.
5. Erection of road signs.
6. Grass maintenance.
7. Road reserve maintenance.
8. Rubble masonry bridges, culverts and retaining walls

**SN 08.18 Storm water**

The following operations may be constructed using labour intensive construction methods:

1. Gabions and reno mattresses.
2. Small diameter pre-cast concrete elements (pipes and arches).
3. Grassed or lined water channels

**SN 08.19 Sewers**

The following operations may be constructed using labour intensive construction methods:

1. Sewer manholes either in brickwork or using specially manufactured pre-cast manhole rings (individual mass less than 320 kg).
2. Sewer manhole covers and lids using specially designed pre-cast units.
3. Maturation or flocculation ponds with least dimension not exceeding 100m.

**SN 08.20 Water**

The following operations may be constructed using labour intensive construction methods:

1. Laying of water pipelines, fittings and house connections in all materials (including steel) where the mass of individual pipe lengths does not exceed 320 kg.
2. Construction of ferro-cement reservoirs.
3. Excavation for membrane lined and floating roof reservoirs.
4. Construction of small masonry reservoirs.
5. Spring and well protection measures

**SN 08.21 Haul of Material**

Where the haul of any material exceeds 200 m, consideration should be given to the use of local resources for transporting material. This includes the use of animal drawn vehicles and small trailer combinations utilising locally sourced tractors. All loading and off loading can be done by hand.

**SN 08.22 Electricity**

The following operations may be constructed using labour intensive methods:

1. Excavation of trenches for reticulation of all voltages.
2. Excavation for and erection of poles for overhead lines.
3. Installation of all electricity cables (joints and terminations by qualified persons).

**SN 08.23 Bill of quantities**

Labour-intensive works is highlighted in the bills of quantities for the payment items relating to labour-intensive works (LI).

**SN 09 REPORTING**

The Consultant shall, before certifying a contractor's payment certificate, ensure that the contractor has submitted labour information in a format and timeframe specified by the employer. If the information submitted by the contractor is inadequate the consultant shall not submit the payment certificate to the employer for payment.

The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall still be submitted as per frequency and timeframe stipulated by the Employer. The contractor's invoices shall not be paid until all pending labour information has been submitted.



**SN 10 MEASUREMENTS AND PAYMENT**

The number of EPWP workers specified for this contract that will receive orientation and life skills development training is 15 and technical training is 15

**SN 10.01 PAYMENT FOR EMPLOYMENT AND TRAINING OF EPWP WORKERS (TARGET: - 15 EPWP WORKERS)**

**SN 10.01.01** Orientation and Life Skills development training for EPWP workers for an average of 10 days per EPWP worker.....Unit: PC Sum

**SN 10.01.02** Technical skills training for EPWP workers for an average of 20 days per EPWP worker .....Unit: PC Sum

**SN 10.01.03** First Aid Level 1 training for EPWP workers for an average of 5 days per EPWP worker .....Unit: PC Sum

**SN 10.01.04** Profit and attendance for administration of items 1 and 2 above..... Unit: percentage (%)

**SN 10.02 PAYMENT FOR TRAVELING OF EPWP WORKERS**

**SN 10.02.01** Travelling (based on return trip/EPWP worker) ..... Unit: worker/ day

The unit of measurement shall be the number of EPWP workers transported from the nearest local community to the work place and back on a daily basis. The tendered shall allow for the cost of each worker to be able to safely reach the work place and travel back each day and shall be measured as a number for each worker per day.

**SN 10.03 EMPLOYMENT OF EPWP WORKERS**

**SN 10.03.01** Employment of EPWP workers.....Unit: PC Sum  
The unit of measurement shall be the number of EPWP workers at the labour rate of comparable unskilled work in the local area alternatively a minimum R 1 734 per month as the amount indicated in the Ministerial Determination 4: EPWP, dated 01 November 2015, Clause 14.2: Minimum of R78.86 per day multiplied by the period employed in months and the rate tendered shall include full compensation for all costs associated with the employment of EPWP workers and for complying with the conditions of contract. The cost for the training shall be excluded from this item. This item is based on a 24 months appointment for EPWP workers.

**SN 10.04 PROVISION OF EPWP DESIGNED OVERALLS AND HARD HATS AND SAFETY BOOTS (PPE) TO EPWP WORKERS**

**SN 10.04.01** Supply 2 x EPWP branded overalls to each EPWP worker .....Unit: PC Sum

**SN 10.04.02** Supply 1 x EPWP branded hard hat to each EPWP worker... .....Unit: PC.Sum

**SN 10.04.03** Supply 1 x pair of safety boots to each EPWP worker.....Unit: PC.Sum

**SN 10.04.04** Profit and attendance for administration of items 1, 2 and 3 above..... Unit: %

EPWP worker overalls should be orange (top and bottom) as per EPWP branding specification with the exception of Correctional Services contracts where the overalls should be blue (top and bottom). **A minimum of two overalls per EPWP worker should be**

**supplied.** Hard hats should be orange and branded as per the EPWP branding specification.

An amount has been provided in the Schedule of Quantities under sub item SM 11.04.01 and SM 11.04.02 for the supply of EPWP designed overalls and hard hat, as per the EPWP branding specification provided by the EPWP unit. The tendered percentage under sub items SM 10.05.02 will be paid to the contractor on the value of each payment pertaining to the supply of overalls and hard hats and safety boots to cover his expenses in this regard.

SOUTH AFRICAN POLICE SERVICE: VARIOUS CENTRES: MPUMALANGA ACORNHOEK,  
LEBOWAKGOMO, NELSPRUIT & THOHOYANDOU: LOCAL CRIMINAL RECORD CENTRES:  
REPAIR AND UPGRADING



public works  
& infrastructure

Department:  
Public Works and Infrastructure  
**REPUBLIC OF SOUTH AFRICA**

## ***PART C4: SITE INFORMATION***

## PG-03.1 (EC) SITE INFORMATION – GCC (2010) 2<sup>nd</sup> Edition 2010

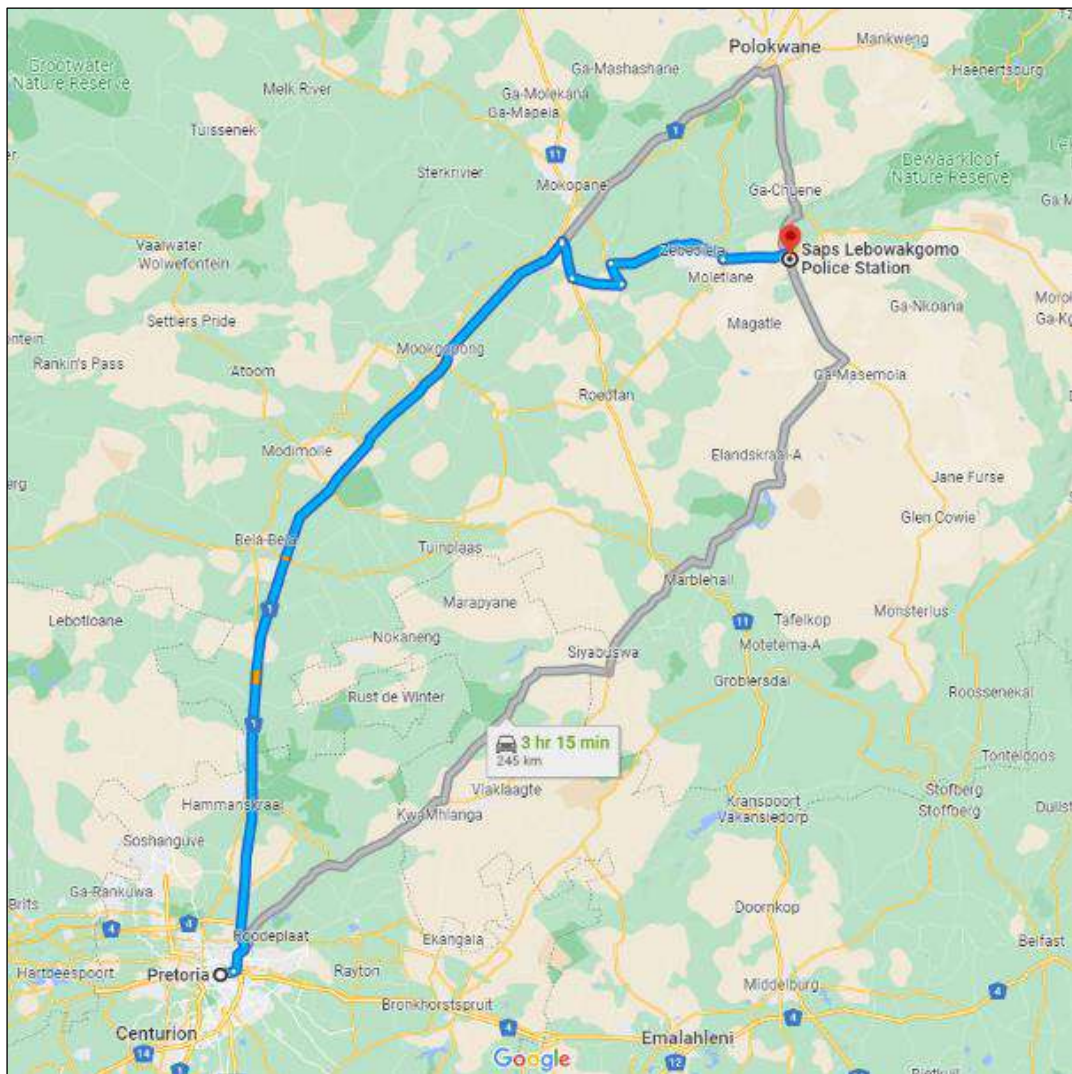
<b>Project title:</b>	36-Month Repair And Refurbishment Programme: South African Police Service: Various Centres: Mpumalanga Acornhoek, Lebowakgomo, Nelspruit & Thohoyandou: Local Criminal Record Centres: Repair And Upgrading For A Period Of 36 Months.				
<b>Tender no:</b>	H22/037A1	<b>WCS no:</b>	043896	<b>Reference no:</b>	21/1/2(47)

### C4 Site Information

Project consist of 4 (four) sites, divided up into 2 (two) SAPS Stations in 2 (two) provinces namely; Lebowakgomo Police Station and Thohoyandou Police Station in the Limpopo Province and Acornhoek Police Station and Nelspruit Police Station in the Mpumalanga Province.

The location of each facility is briefly below:

- Lebowakgomo Police Station (Limpopo Province)  
Lebowakgomo Police station is approximately 245 km from Pretoria in a northern direction towards the Limpopo Province.



LEBOWAKGOMO LCRC		
No.	Description	
1	Site Name	Lebowakgomo LCRC
2	Township	LEBOWAKGOMO – BA
3	Local Authority	Lepele-Nkumpi Local Municipality
4	Province	Limpopo
5	GPS Co-ordinates	-24.320608 / 29.481039
6	Site Location	The LCRC is located on the ground floor of the round double storey building.

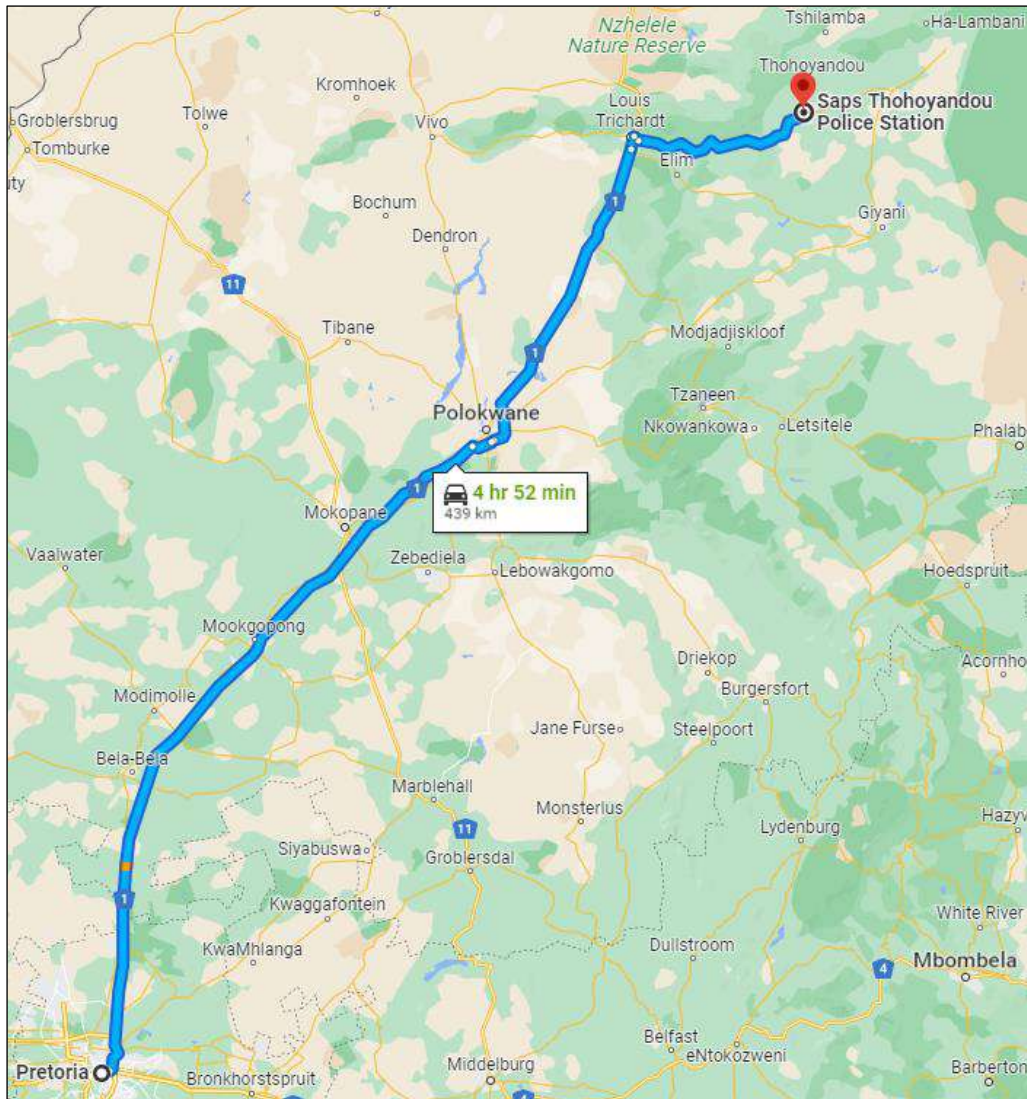


Lebowakgomo LCRC is located within the existing Police Station Complex and across the road from the Local District Court. The LCRC is located within the large double storey building to the rear of the Police Station Complex.

\*Note: Operational Buildings is not limited to the above-mentioned list



- Thohoyandou Police Station (Limpopo Province)  
Thohoyandou Police Station is approximately 439 km from Pretoria in a northern direction towards the Limpopo Province..



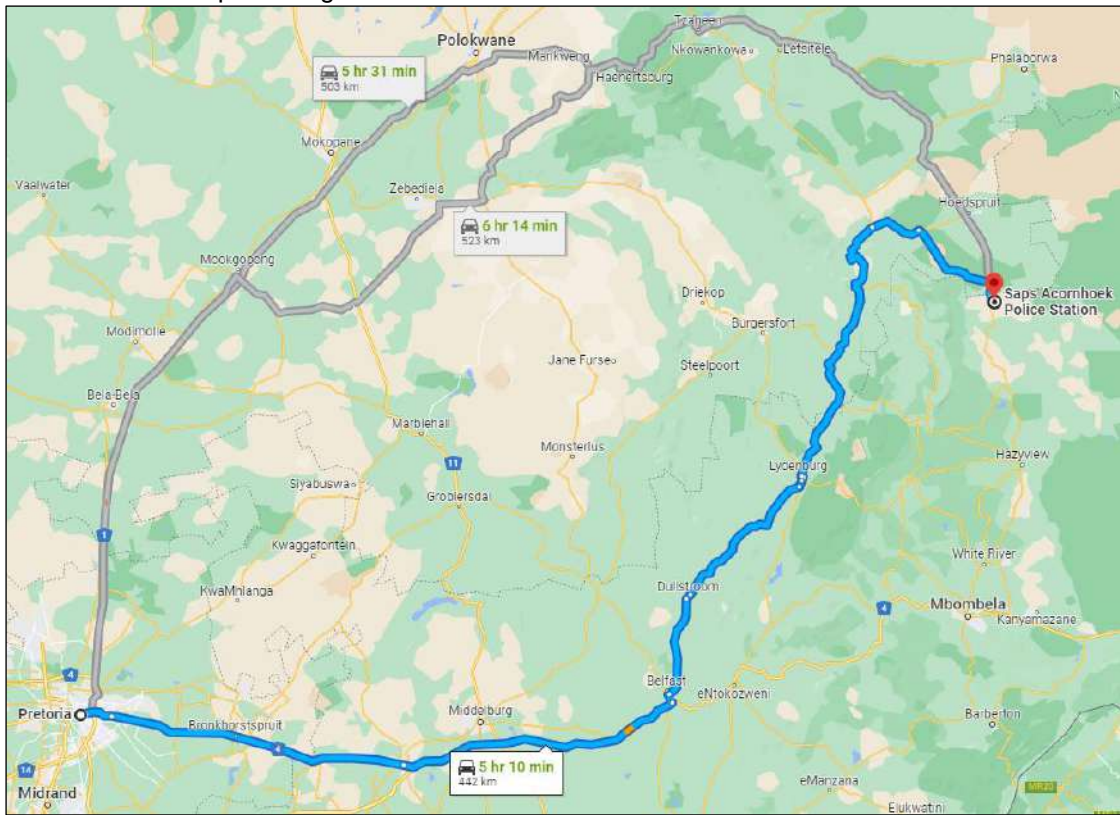
THOHOYANDOU LCRC		
No.	Description	
1	Site Name	Thohoyandou LCRC
2	Township	THOHOYANDOU-BA
3	Local Authority	Thulamela Local Municipality
4	Province	Limpopo
5	GPS Co-ordinates	-22.971818 / 30.456511
6	Site Location	The LCRC is located on Main Road in the centre of town. The LCRC is located on the ground floor to the rear of the building.



Thohoyandou LCRC is located within the existing Police Station Complex and opposite the Magistrate Court in town.

\*Note: Operational Buildings is not limited to the above-mentioned list

- Acornhoek Police Station (Mpumalanga Province)  
Acornhoek Police Station is approximately 439 km from Pretoria in a north-eastern direction towards the Mpumalanga Province.





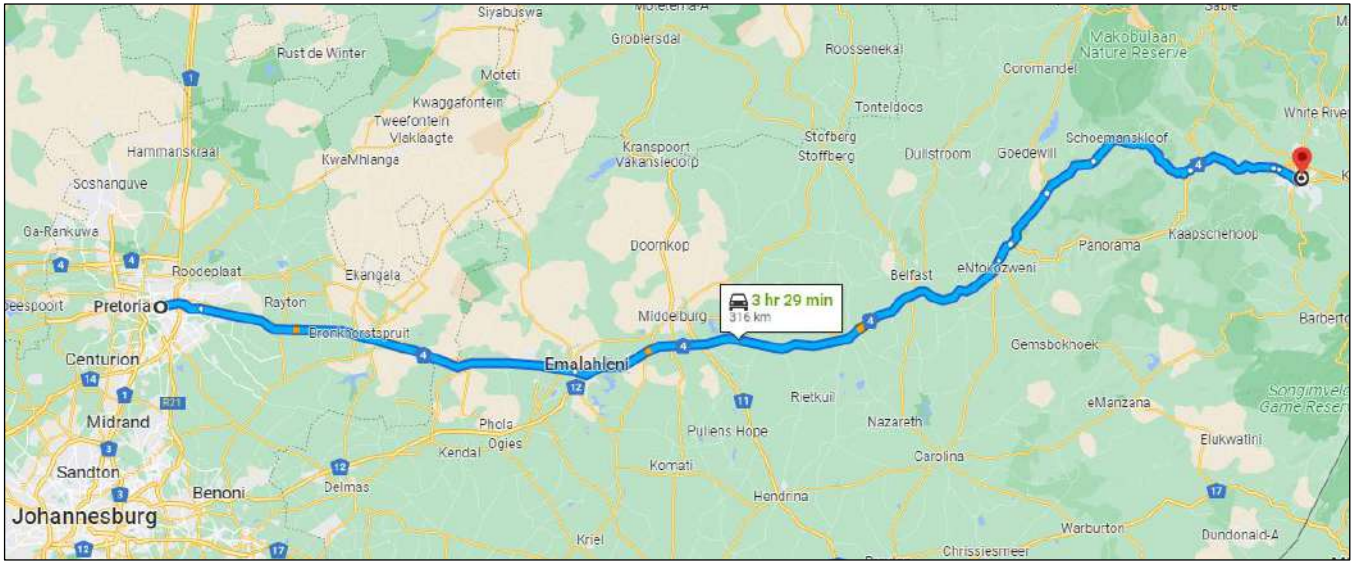
ACORNHOEK LCRC		
No.	Description	
1	Site Name	Acornhoek LCRC
2	Township	GREENVALLEY
3	Local Authority	Acornhoek Local Municipality
4	Province	Mpumalanga
5	GPS Co-ordinates	-24.596508 / 31.048434
6	Site Location	The LCRC is located on the ground floor of the 1st building at the rear of the SAPS Complex



Acornhoek LCRC is located within the existing Acornhoek Police Station Complex and situated next to the Post Office Building. The Police Station is located just off the R40 National Road.

\*Note: Operational Buildings is not limited to the above-mentioned list

- Nelspruit Police Station (Mpumalanga Province)  
Nelspruit Police Station is approximately 316 km from Pretoria in a eastern direction towards the Mpumalanga Province.





NELSPRUIT LCRC		
No.	Description	
1	Site Name	Nelspruit LCRC
2	Township	NELSPRUIT
3	Local Authority	Mbombela Local Municipality
4	Province	Mpumalanga
5	GPS Co-ordinates	-25.468923 / 30.979247
6	Site Location	The LCRC is located on the 8th floor of the multi-storey building facing the street.



Nelspruit LCRC is located within the existing Nelspruit Police Station Complex and situated across from the Magistrate Court. The Police Station is on the corner of Samora Machel Drive and Henshall Street in the centre of Town.

\*Note: Operational Buildings is not limited to the above-mentioned list

36-Month Repair And Refurbishment Programme: South African Police  
 Service: Various Centres: Mpumalanga Acornhoek, Lebowakgomo, Nelspruit  
 & Thohoyandou: Local Criminal Record Centres: Repair And Upgrading For  
 A Period Of 36 Months.



## C4.2 Additional info:

Additional drawings can be attained from client.



## DRAWING REGISTER

WCS NO :		043896				
REF NO		21/1/2(47)				
PROJECT DESCRIPTION:		36-Month Repair And Refurbishment Programme: South African Police Service: Various Centres: Mpumalanga Acornhoek, Lebowakgomo, Nelspruit & Thohoyandou: Local Criminal Record Centres: Repair And Upgrading For A Period Of 36 Months.				
Date issued	DRAWING No	No	REVISION No	DRAWING TITLE	NUMBER OF COPIES	TYPE (size & format)
<b>Lebowakgomo Police Station (Limpopo Province)</b>						
	LEB - LCRC - 001	1	1	LEBOWAKGOMO SOUTH AFRICAN POLICE SERVICES: SITE & FENCE LAYOUT PLAN	1	A3
	LEB - LCRC - 002	2	1	LEBOWAKGOMO SOUTH AFRICAN POLICE SERVICES: EXISTING CARPORT CHANGE ONTO NEW INSPECTION BOOTHS	1	A3
<b>Thohoyandou Police Station (Limpopo Province)</b>						
	THO - LCRC - 001	1	1	THOHOYANDOU SOUTH AFRICAN POLICE SERVICES: SITE & FENCE LAYOUT PLAN	1	A3
	THO - LCRC - 002	2	1	THOHOYANDOU SOUTH AFRICAN POLICE SERVICES: NEW INSPECTION BOOTH	1	A3
<b>Acornhoek Police Station (Mpumalanga Province)</b>						
	ACO - LCRC - 001	1	1	ACORNHOEK SOUTH AFRICAN POLICE SERVICES: SITE & FENCE LAYOUT PLAN	1	A3
	ACO - LCRC - 002	2	1	ACORNHOEK SOUTH AFRICAN POLICE SERVICES: NEW INSPECTION BOOTH	1	A3
<b>Nelspruit Police Station (Mpumalanga Province)</b>						
	NEL - LCRC - 001	1	1	NELSPRUIT SOUTH AFRICAN POLICE SERVICES: SITE & FENCE LAYOUT PLAN	1	A3
	NEL - LCRC - 002	2	1	NELSPRUIT SOUTH AFRICAN POLICE SERVICES: EXISTING CARPORT CHANGE ONTO NEW INSPECTION BOOTHS	1	A3





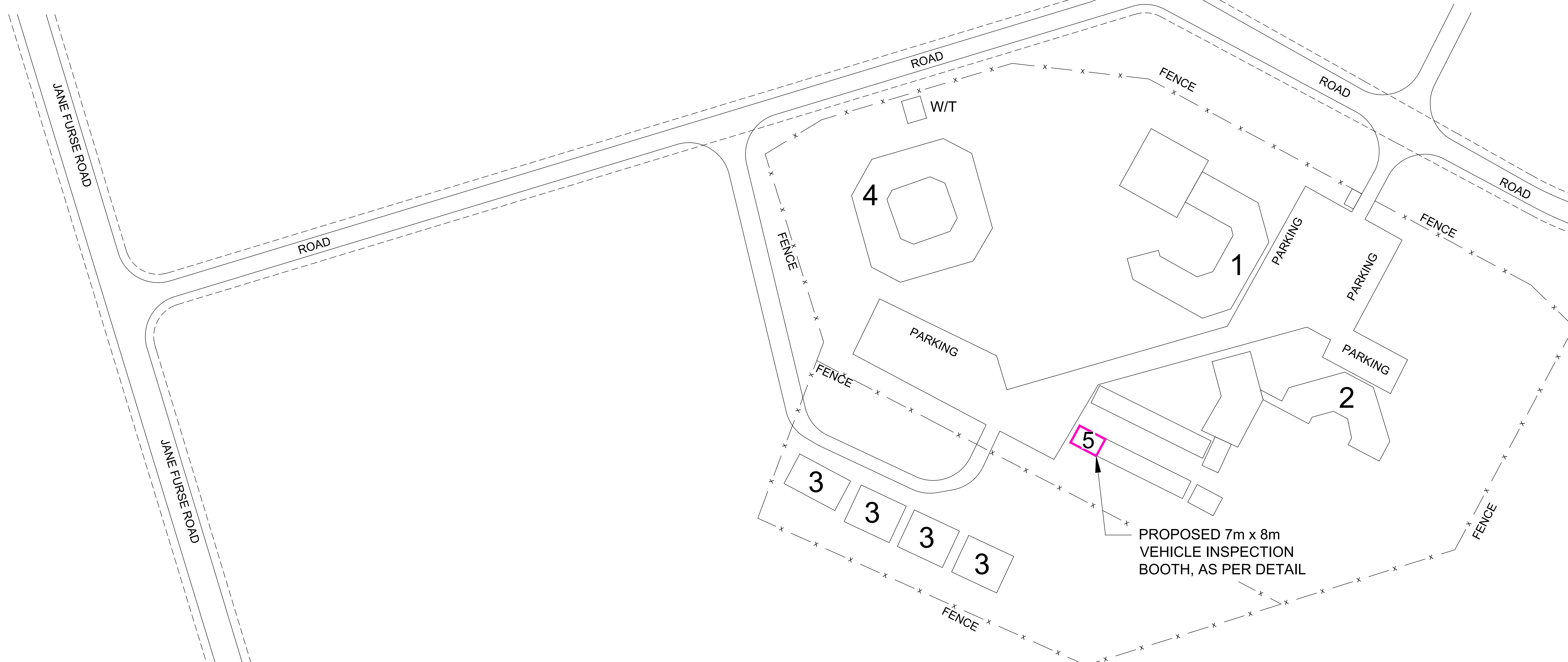
SITE COORDINATES	
24°19'15.28" S	
29°28'53.78" E	

- NOTE:
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  - ROOF FINISH TO MATCH EXISTING UNLESS SPECIFIED

BUILDINGS LEGEND	
1	CSC
2	RES
3	HOUSING
4	LCRC
5	PROPOSED 7m x 8m VEHICLE INSPECTION BOOTH

No.	DATE	AMENDMENT	D.P.W.

### LOCALITY MAP



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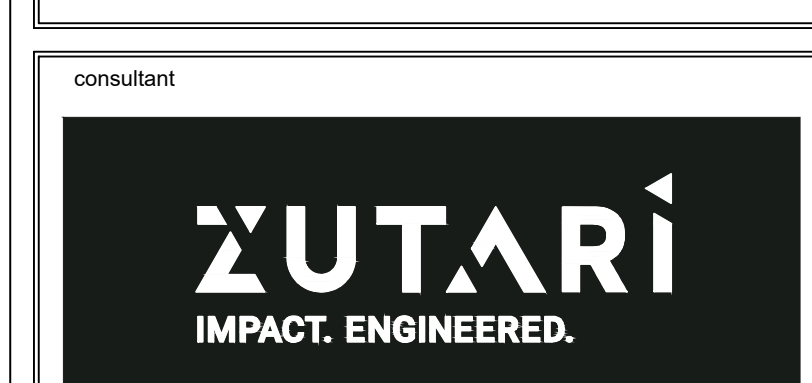
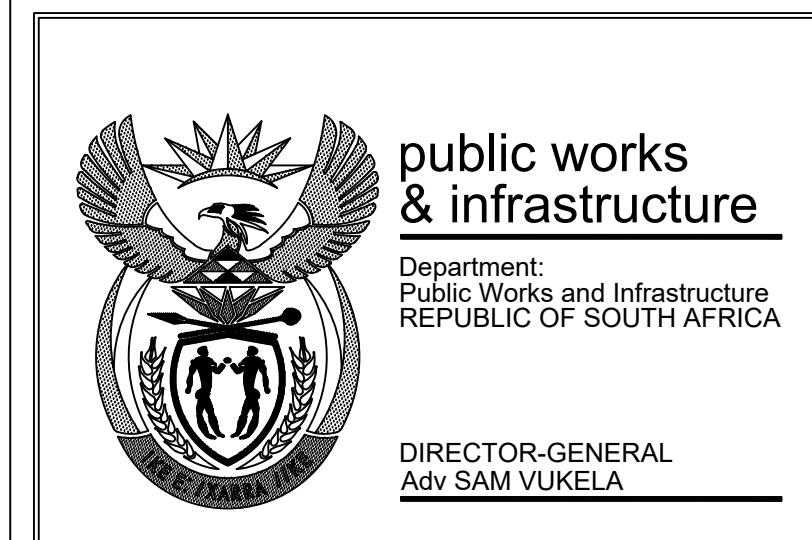
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date: \_\_\_\_\_

professional registration no.: \_\_\_\_\_

cad file name: EDIT

page type: A 0



discipline: CIVIL AND STRUCTURAL ENGINEERING

service:

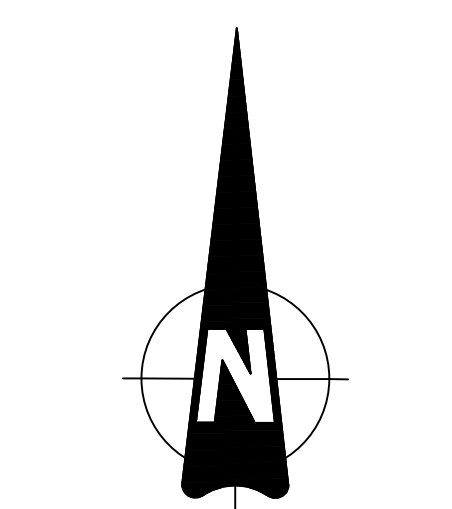
Repair and Maintenance Programme for South African Police Services Local Criminal Record Centres (LCRC)

WCS number: WCS 043896

drawing title: LEBOWAKGOMO SOUTH AFRICAN POLICE SERVICES: SITE & FENCE LAYOUT PLAN

ref no.	EDIT	designed	EDIT
scale	1:750 (A0)	drawn	EDIT
date	DECEMBER 2021	checked	EDIT

D.P.W drawing number



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PHOTO 1:  
FRONT VIEW OF PROPOSED  
VEHICLE INSPECTION BOOTH

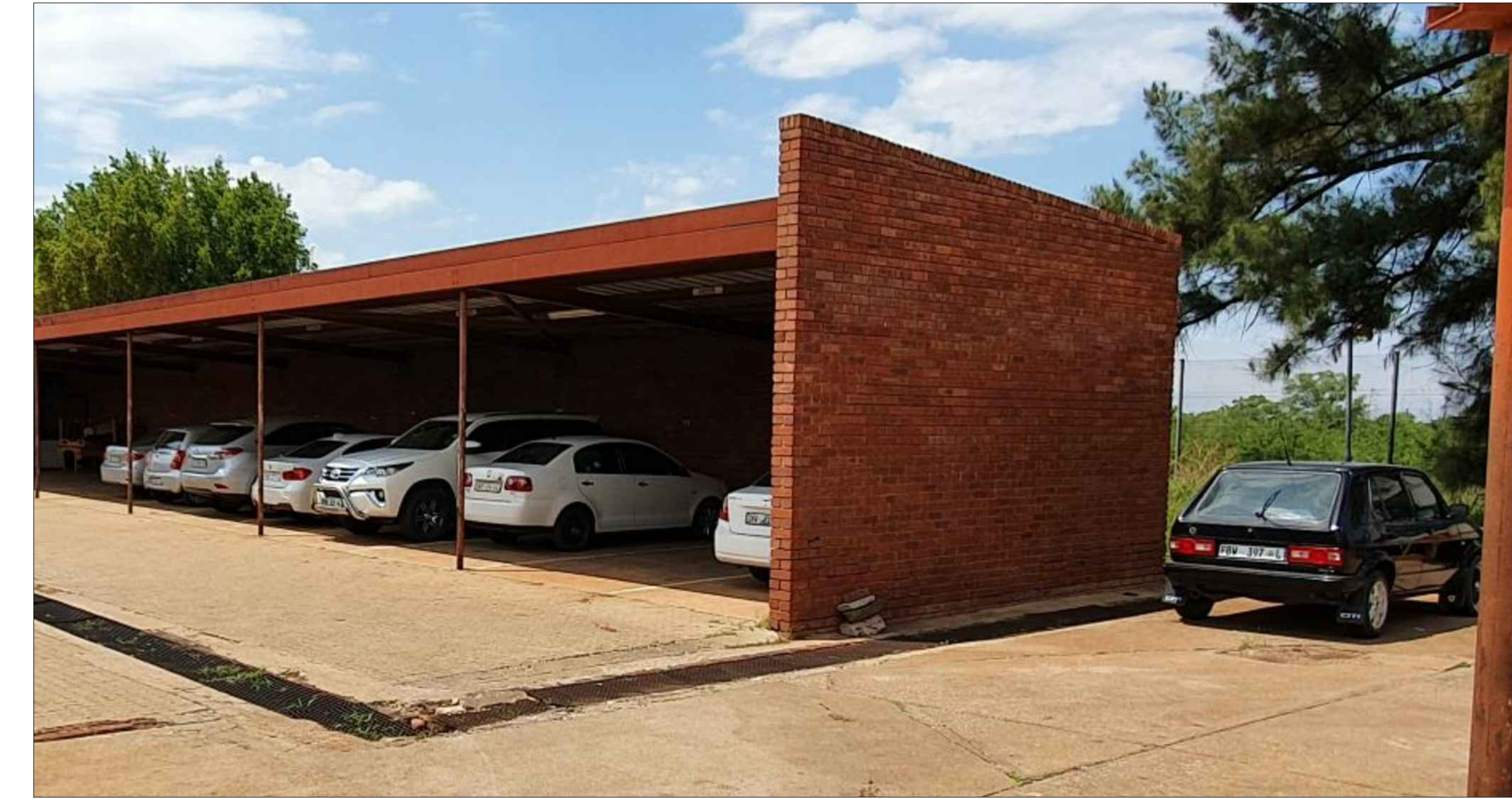
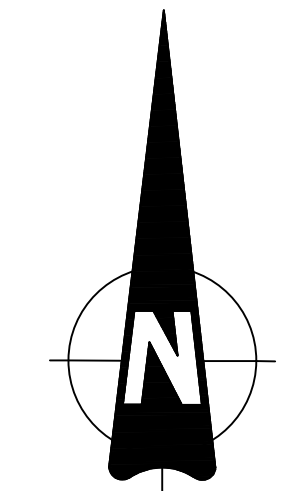
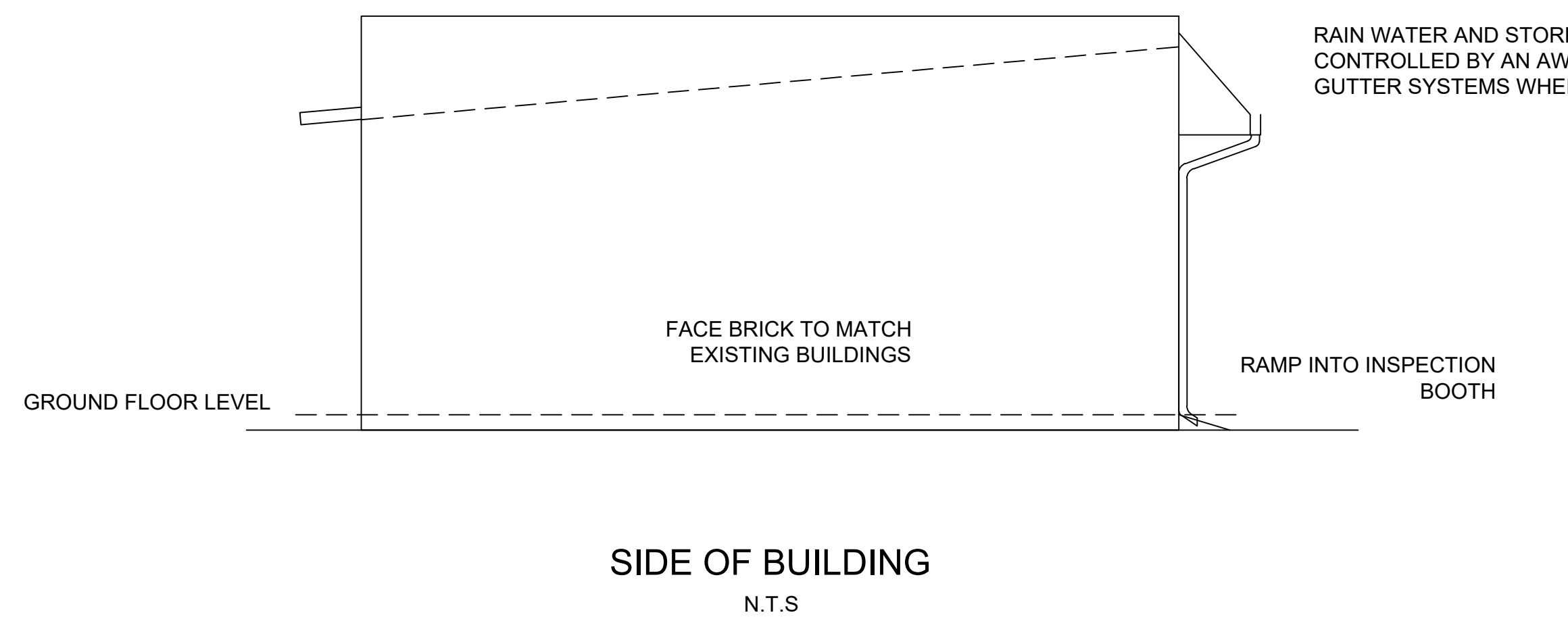
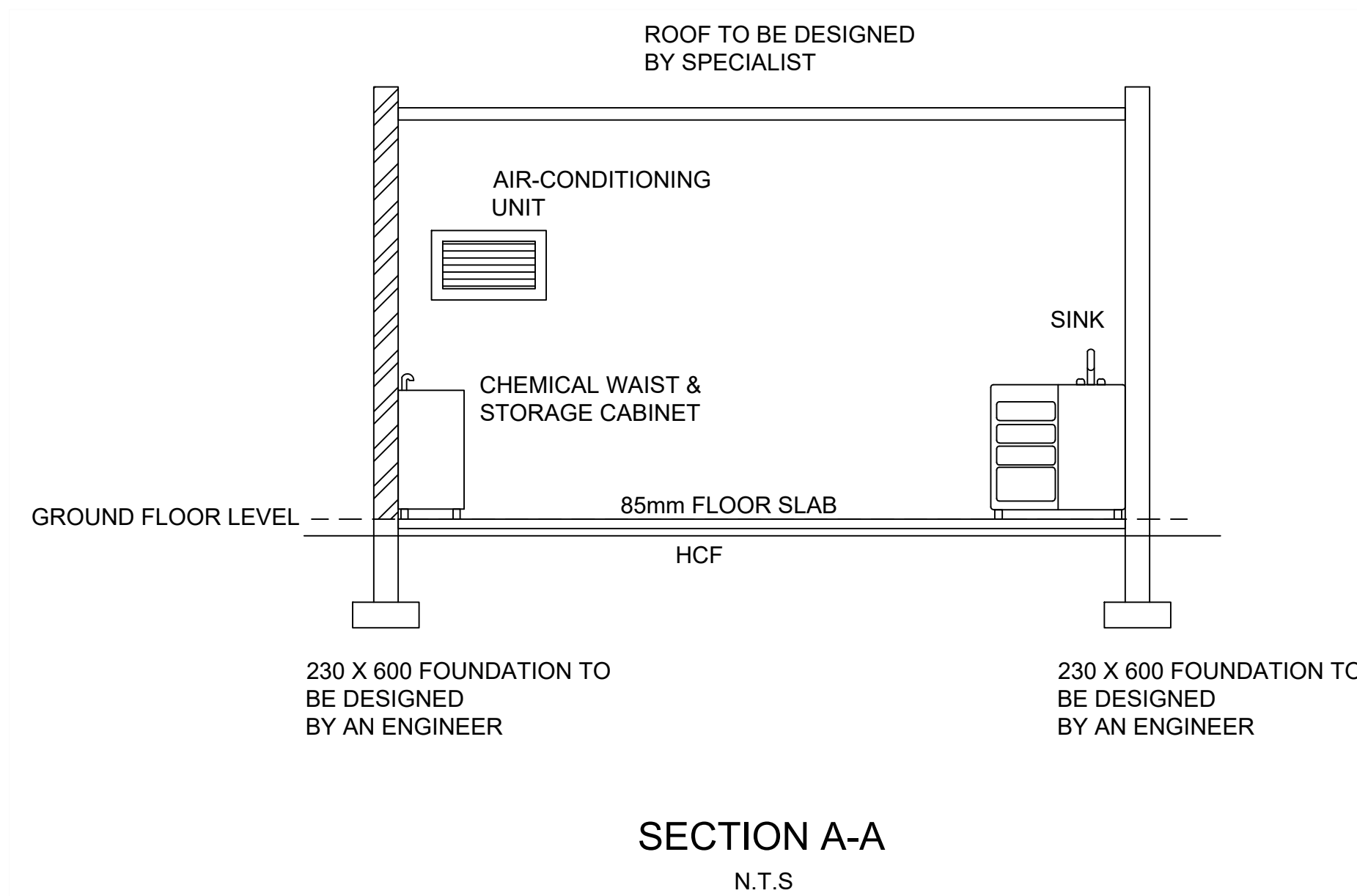
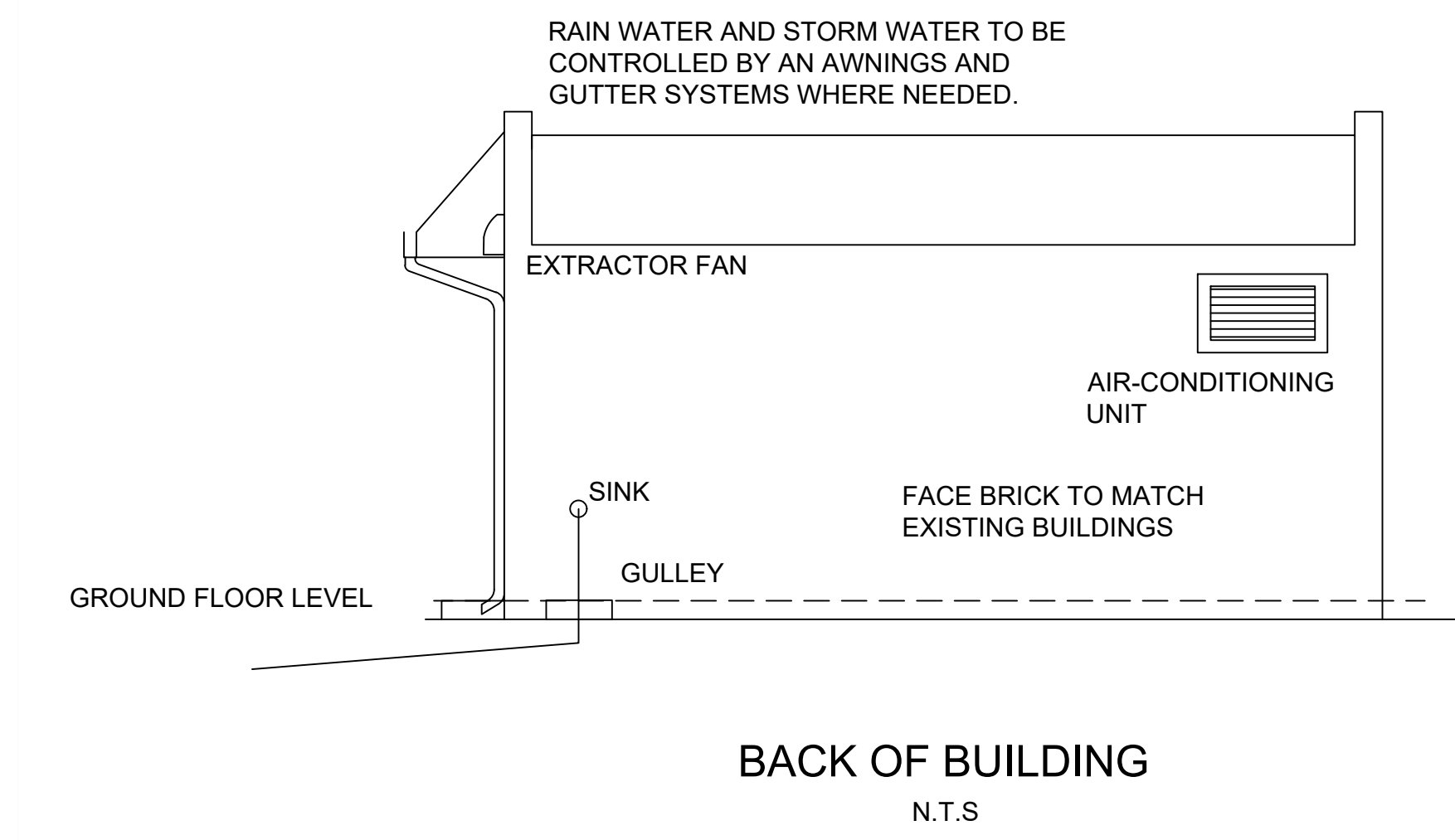
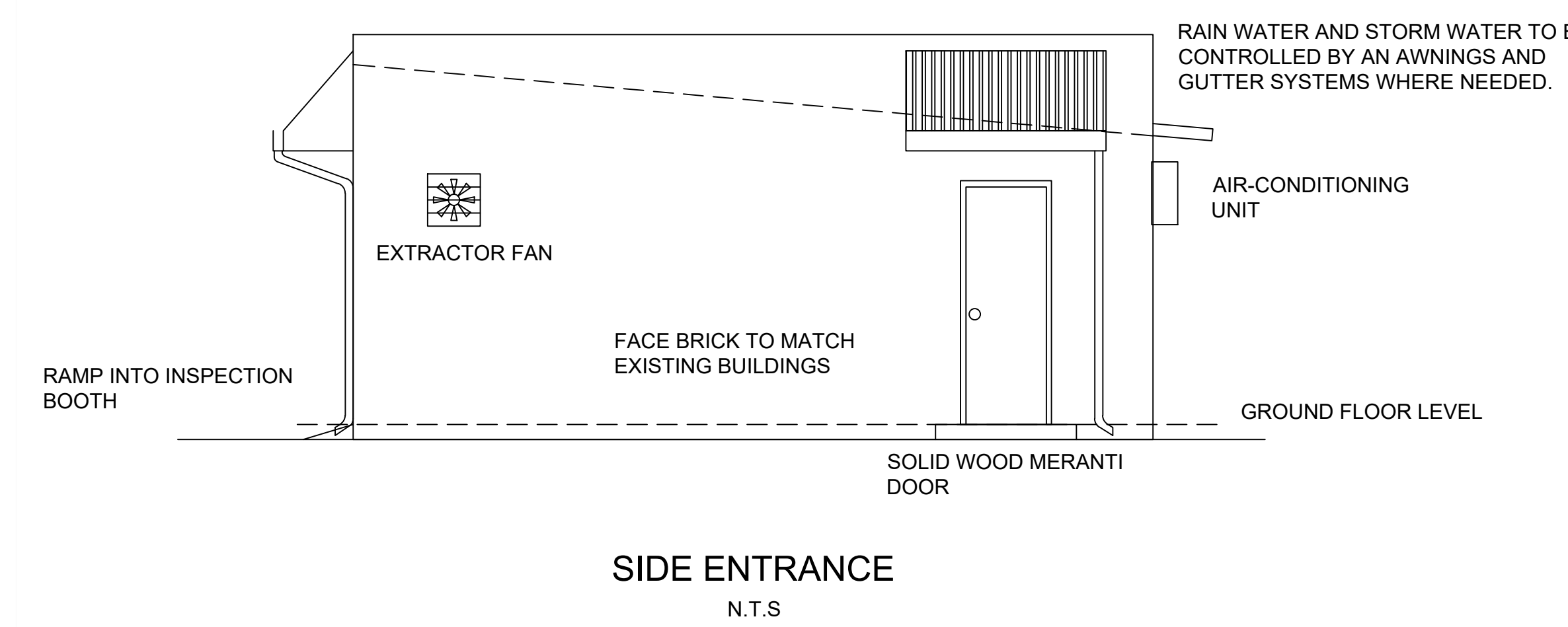
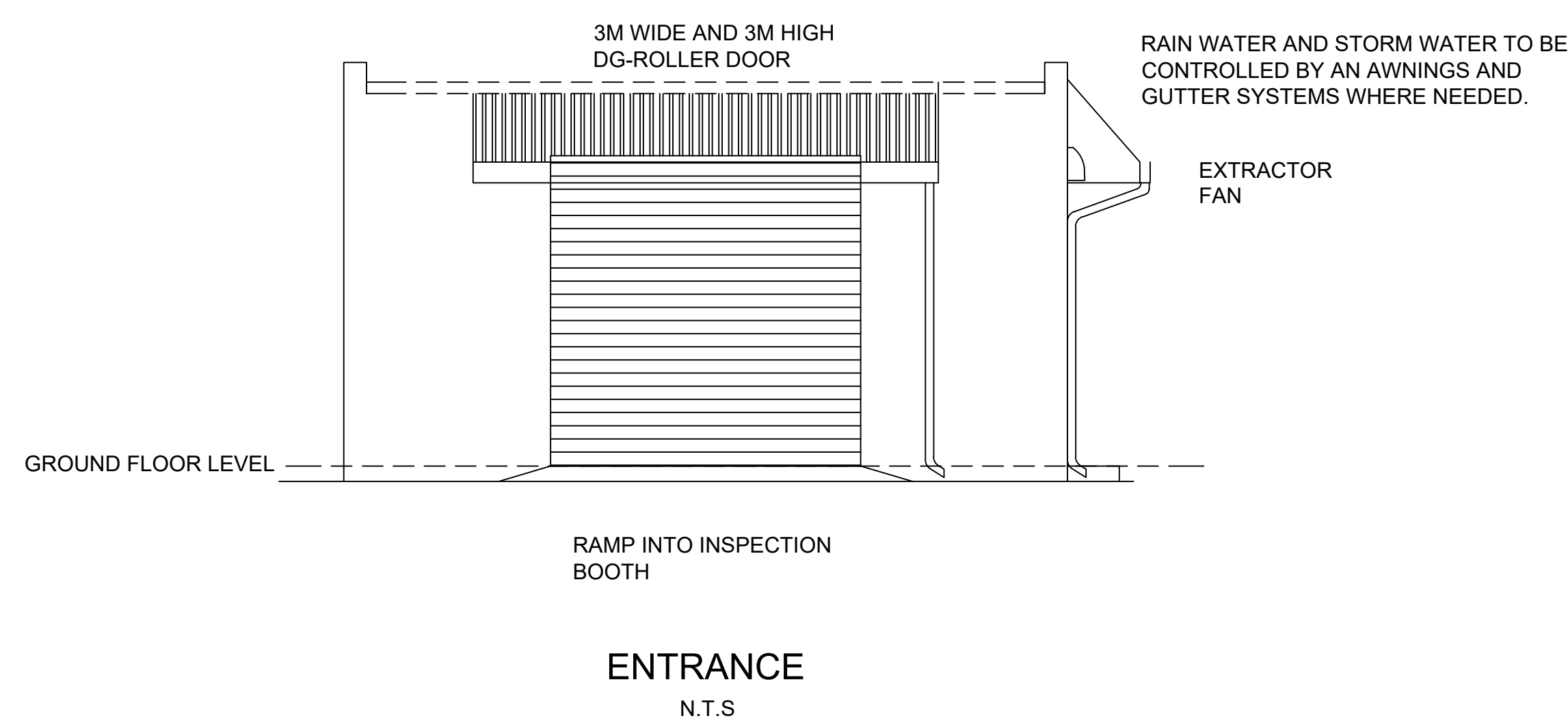
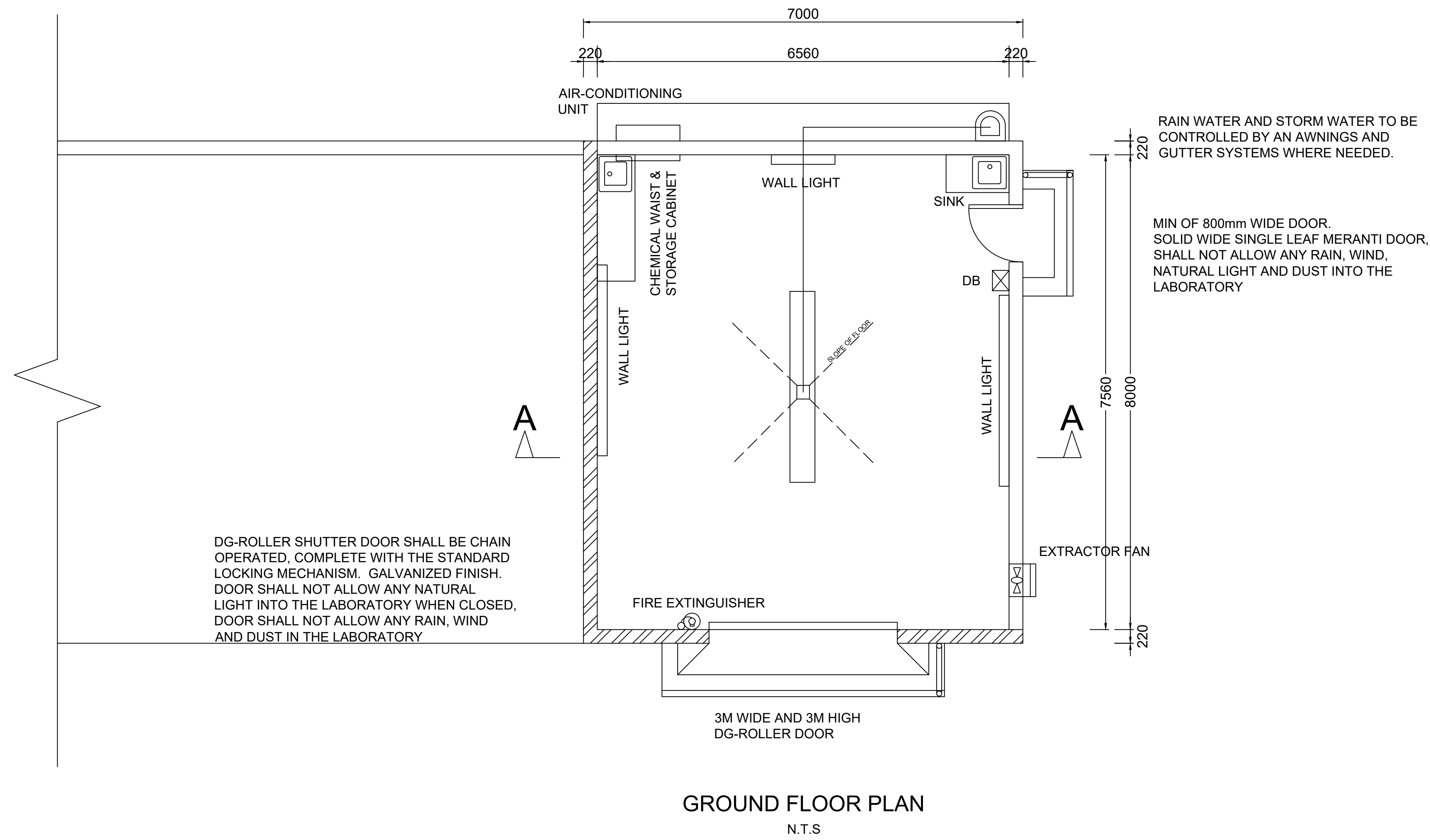


PHOTO 2:  
PARTIAL SIDE VIEW OF PROPOSED  
VEHICLE INSPECTION BOOTH



0 0.5 1 2 4m

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cad file name: EDIT page type: A 0

**public works & infrastructure**  
Department: Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA  
DIRECTOR-GENERAL  
Adv. SAM YUKELA

discipline: CIVIL AND STRUCTURAL ENGINEERING

service: Repair and Maintenance Programme for South African Police Services Local Criminal Record Centres (LCRC)

WCS number: WCS 043896

drawing title: LEBOWAKGOMO SOUTH AFRICAN POLICE SERVICES: EXISTING CARPORT CHANGE ONTO NEW INSPECTION BOOTHS

ref. no. EDIT	designed EDIT
scale AS SHOWN	drawn EDIT
date DECEMBER 2021	checked EDIT

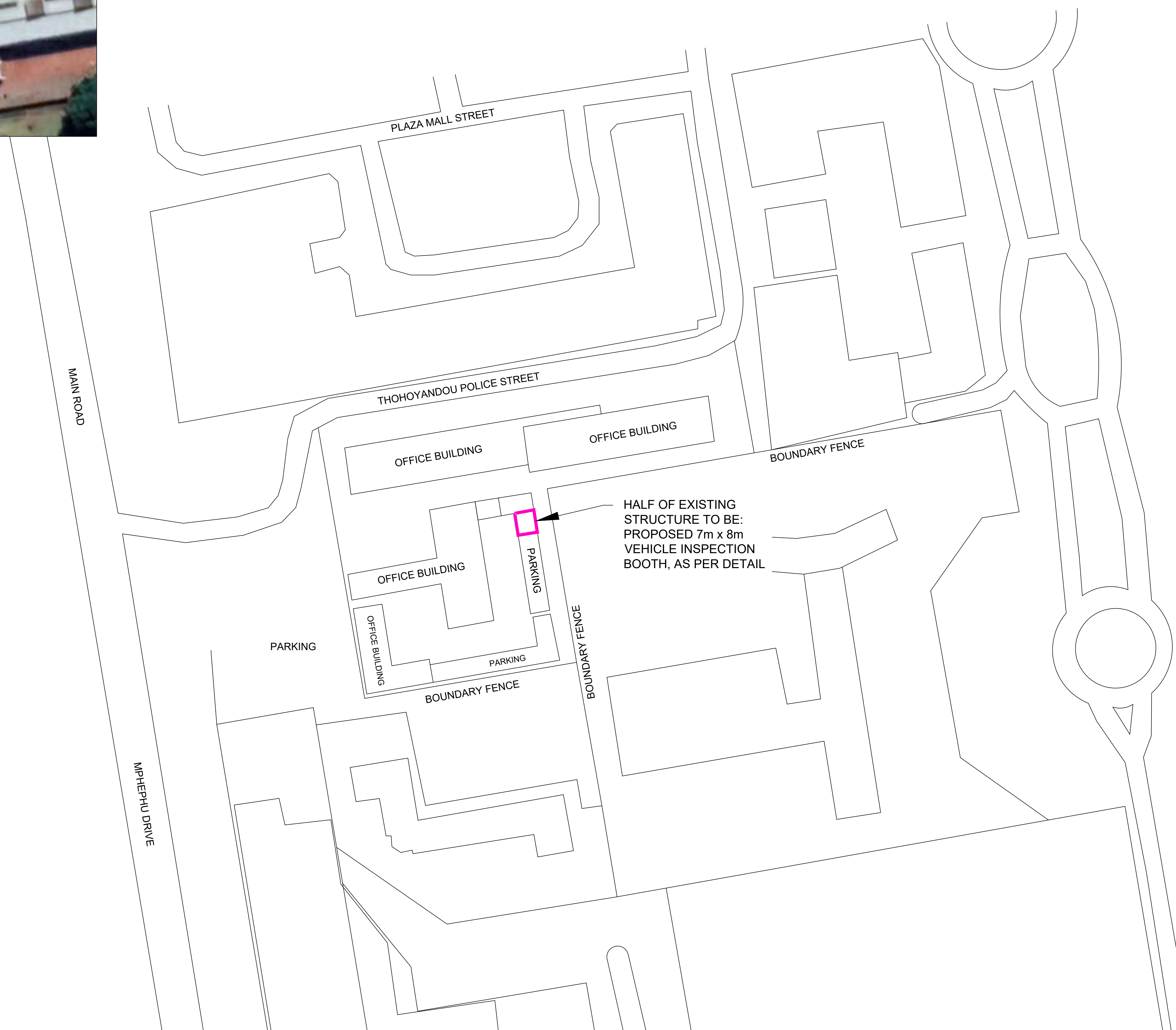
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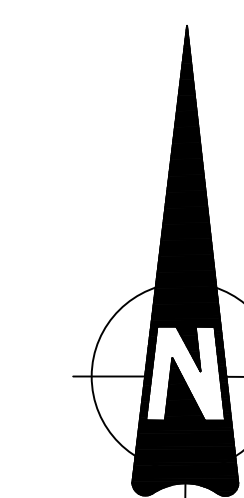
SITE COORDINATES	
22°58'19.74" S	
30°27'21.97" E	



### LOCALITY MAP



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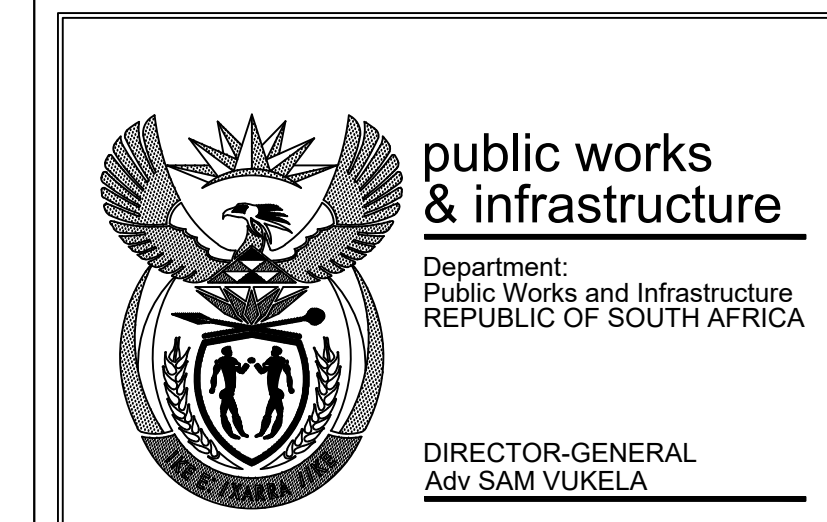
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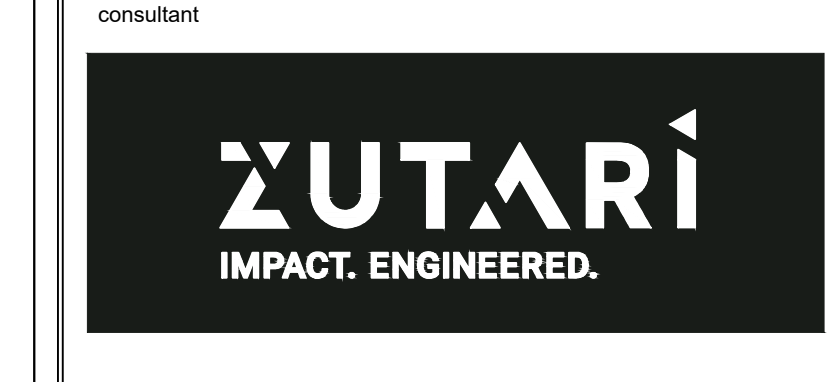
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cad file name: EDIT page type: A 0



consultant



discipline: CIVIL AND STRUCTURAL ENGINEERING

service: Repair and Maintenance Programme for South African Police Services Local Criminal Record Centres (LCRC)

WCS number:	WCS 043896
drawing title:	THOHOYANDOU SOUTH AFRICAN POLICE SERVICES: SITE & FENCE LAYOUT PLAN
ref no.:	EDIT
scale:	1:750 (A0)
date:	DECEMBER 2021
DPM drawing number:	

THO - LCRC - 001



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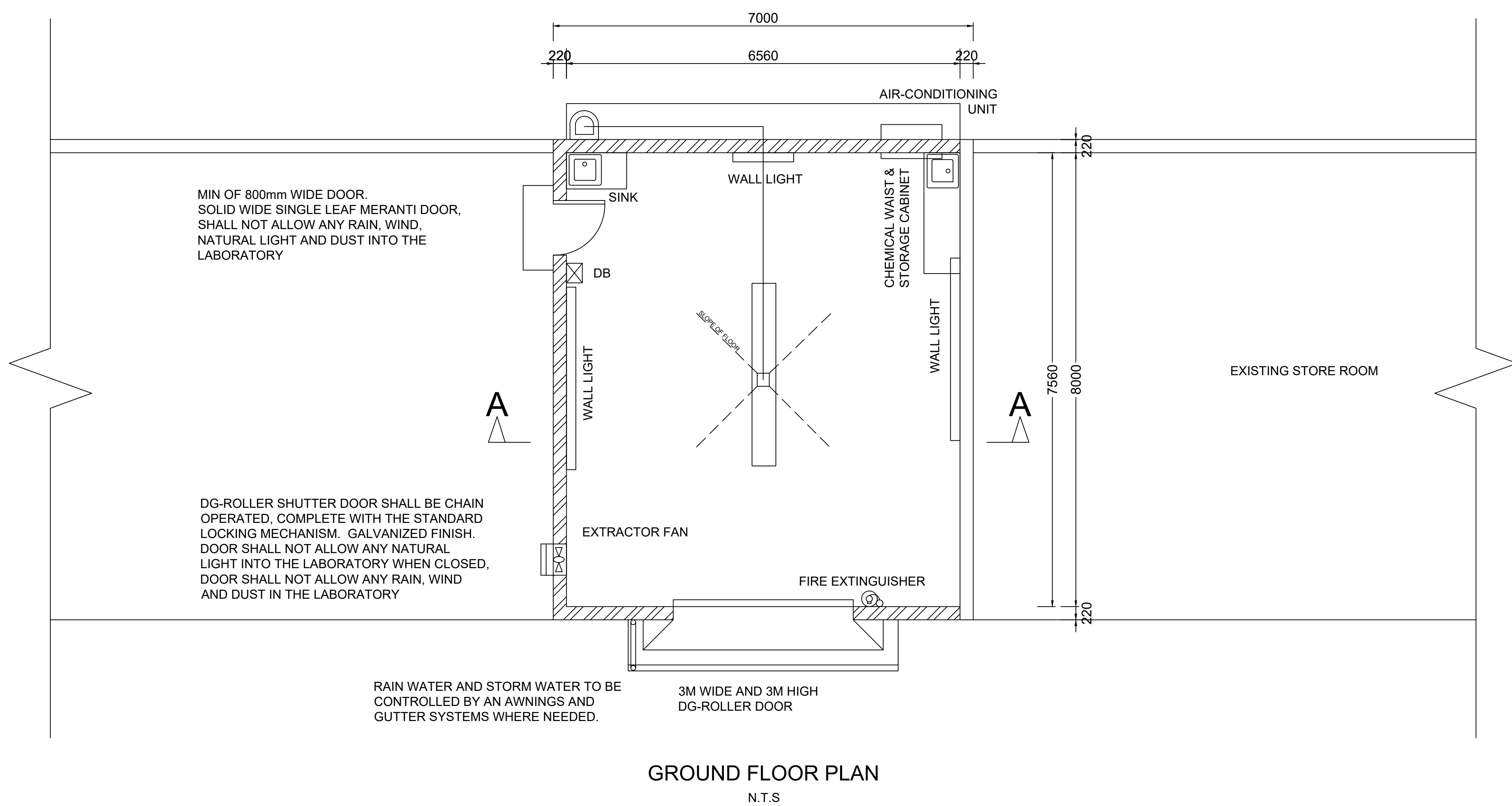
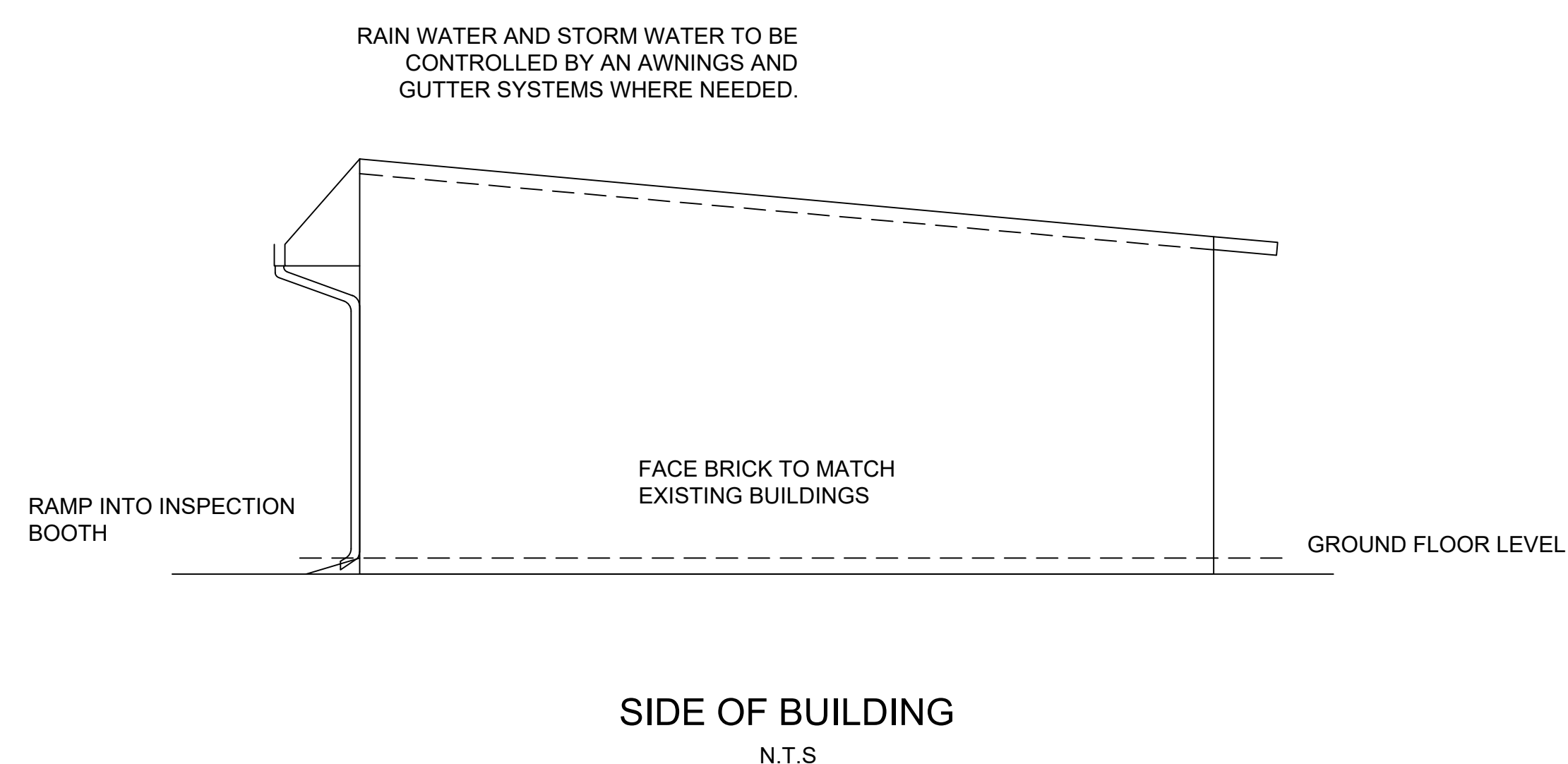
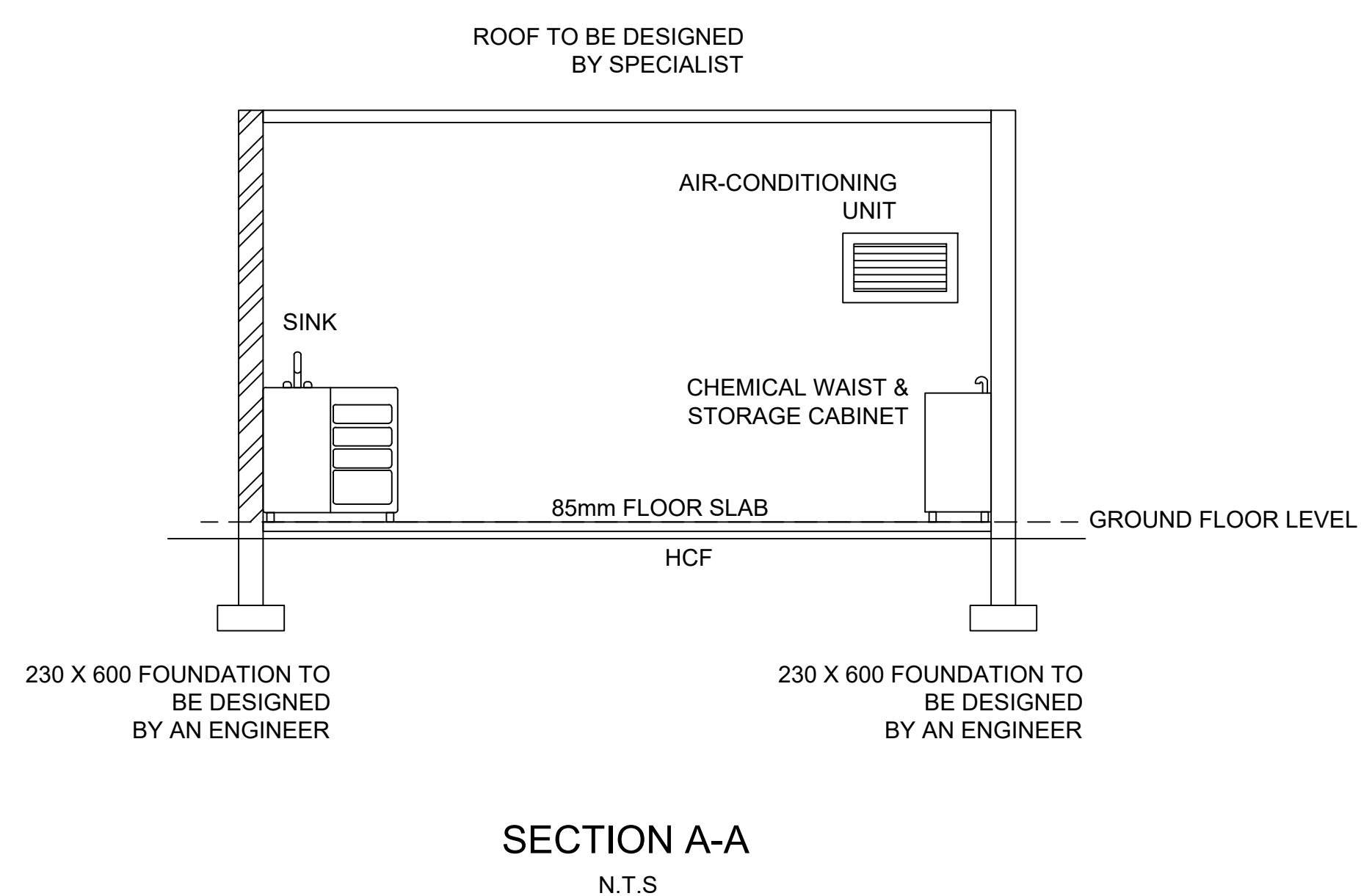
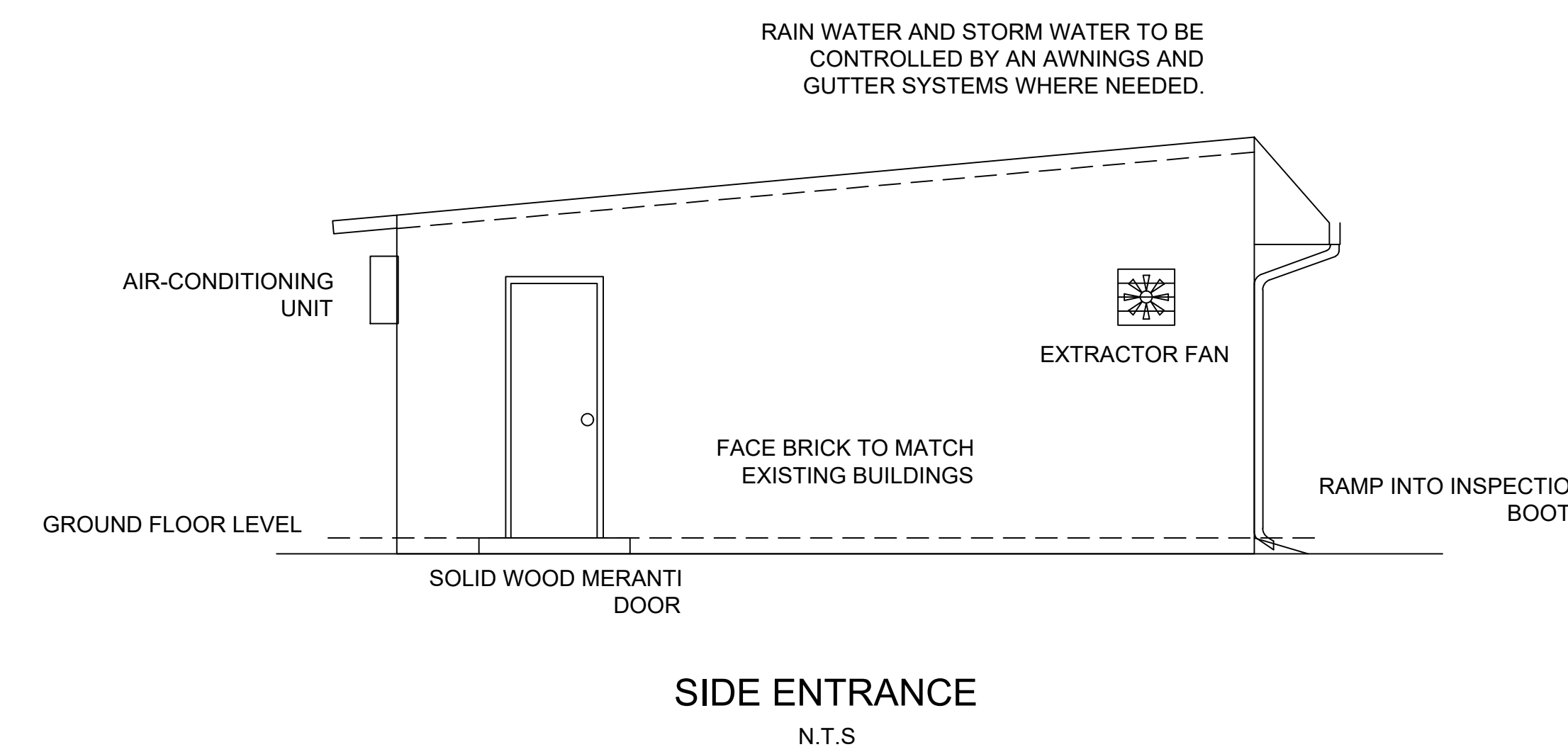
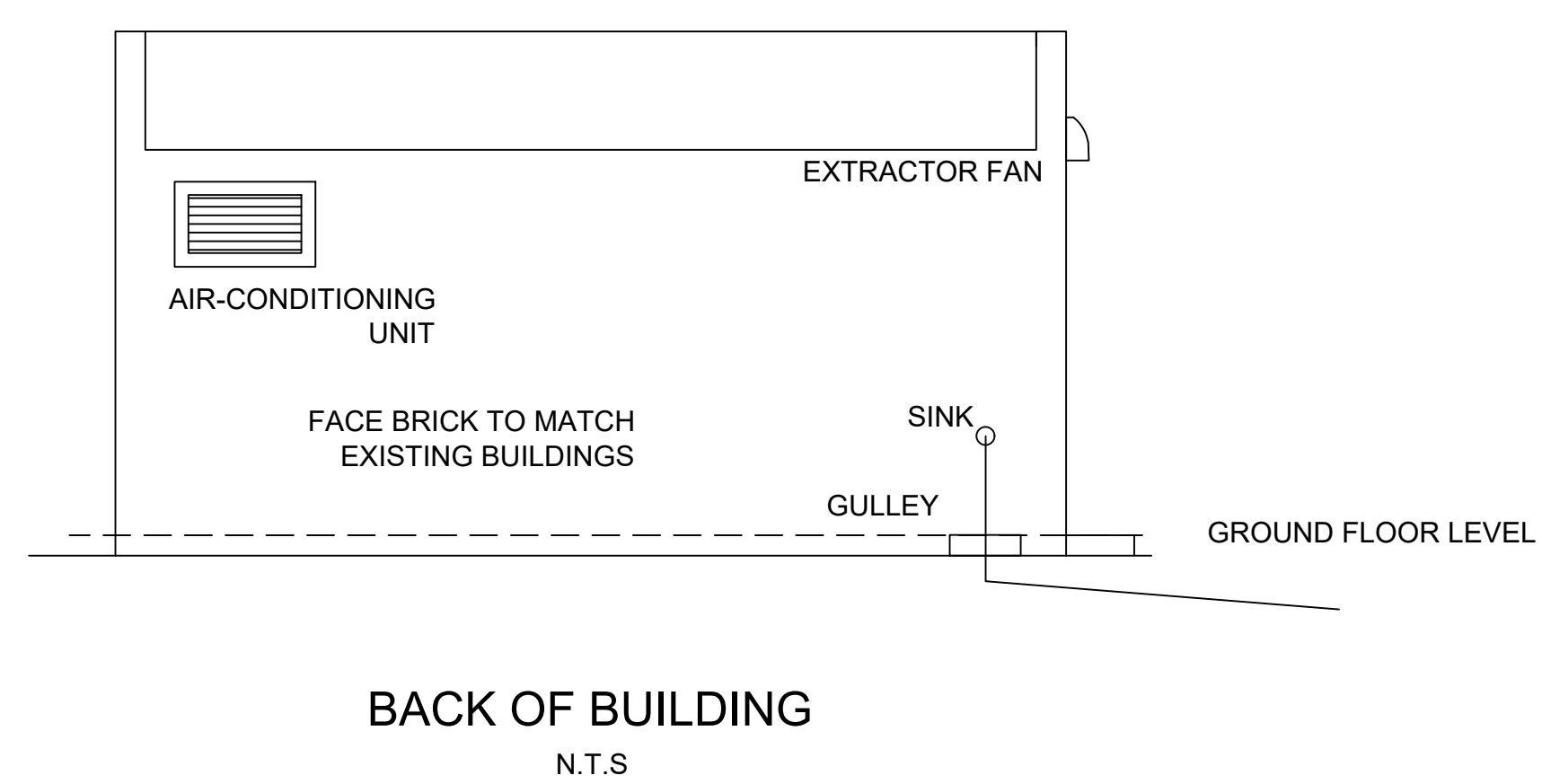
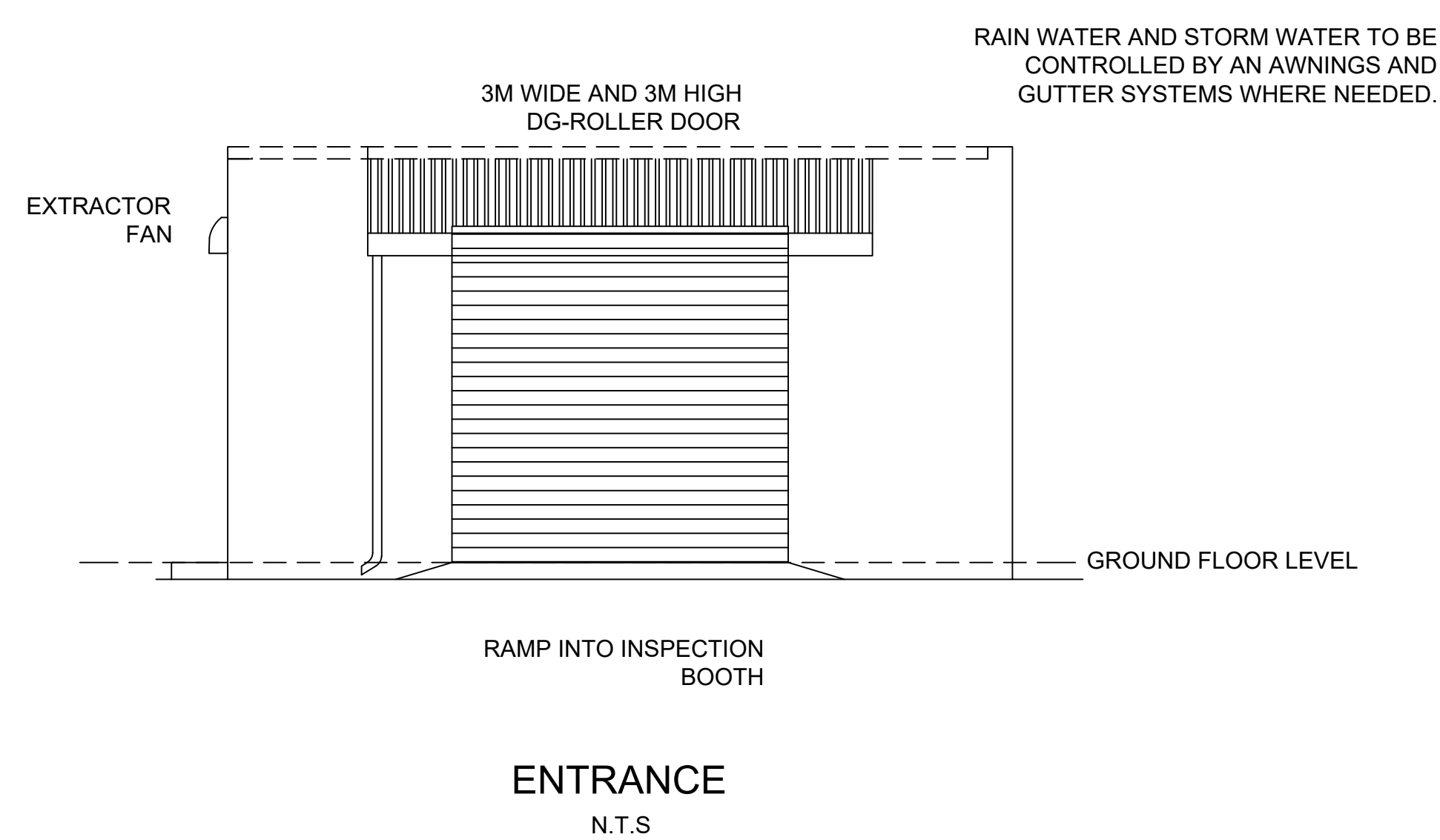
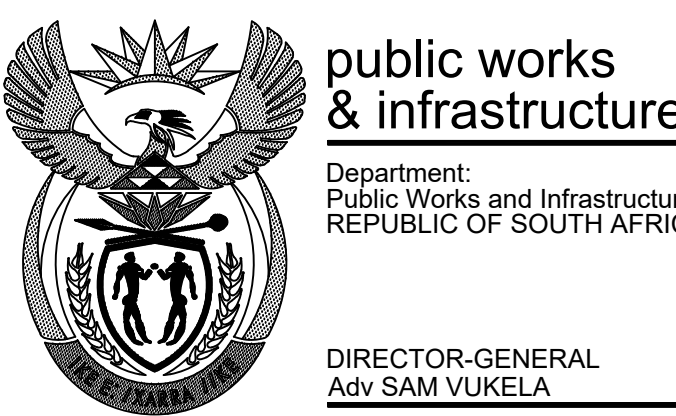
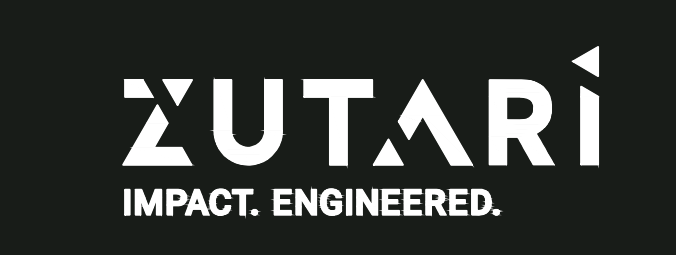
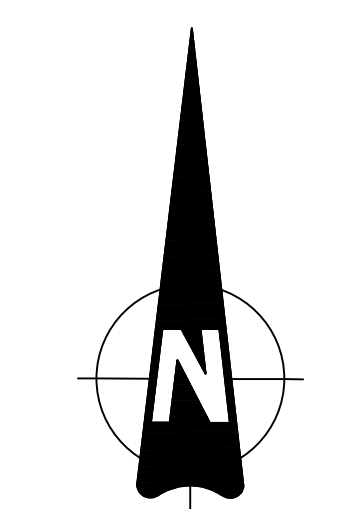


PHOTO 1:  
BACK VIEW OF PROPOSED  
VEHICLE INSPECTION BOOTH



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 <b>public works &amp; infrastructure</b> Department: Public Works and Infrastructure REPUBLIC OF SOUTH AFRICA DIRECTOR-GENERAL Adv. SAM VUKELA			
consultant			
 <b>ZUTARI</b> IMPACT. ENGINEERED.			
discipline: CIVIL AND STRUCTURAL ENGINEERING			
service: Repair and Maintenance Programme for South African Police Services Local Criminal Record Centres (LCRC)			
WCS number: WCS 043896		drawing title: THOHOYANDOU SOUTH AFRICAN POLICE SERVICES: NEW INSPECTION BOOTH	
ref. no.:	EDIT	designed:	EDIT
scale:	AS SHOWN	drawn:	EDIT
date:	DECEMBER 2021	checked:	EDIT
DPMW drawing number: THO - LCRC - 002			



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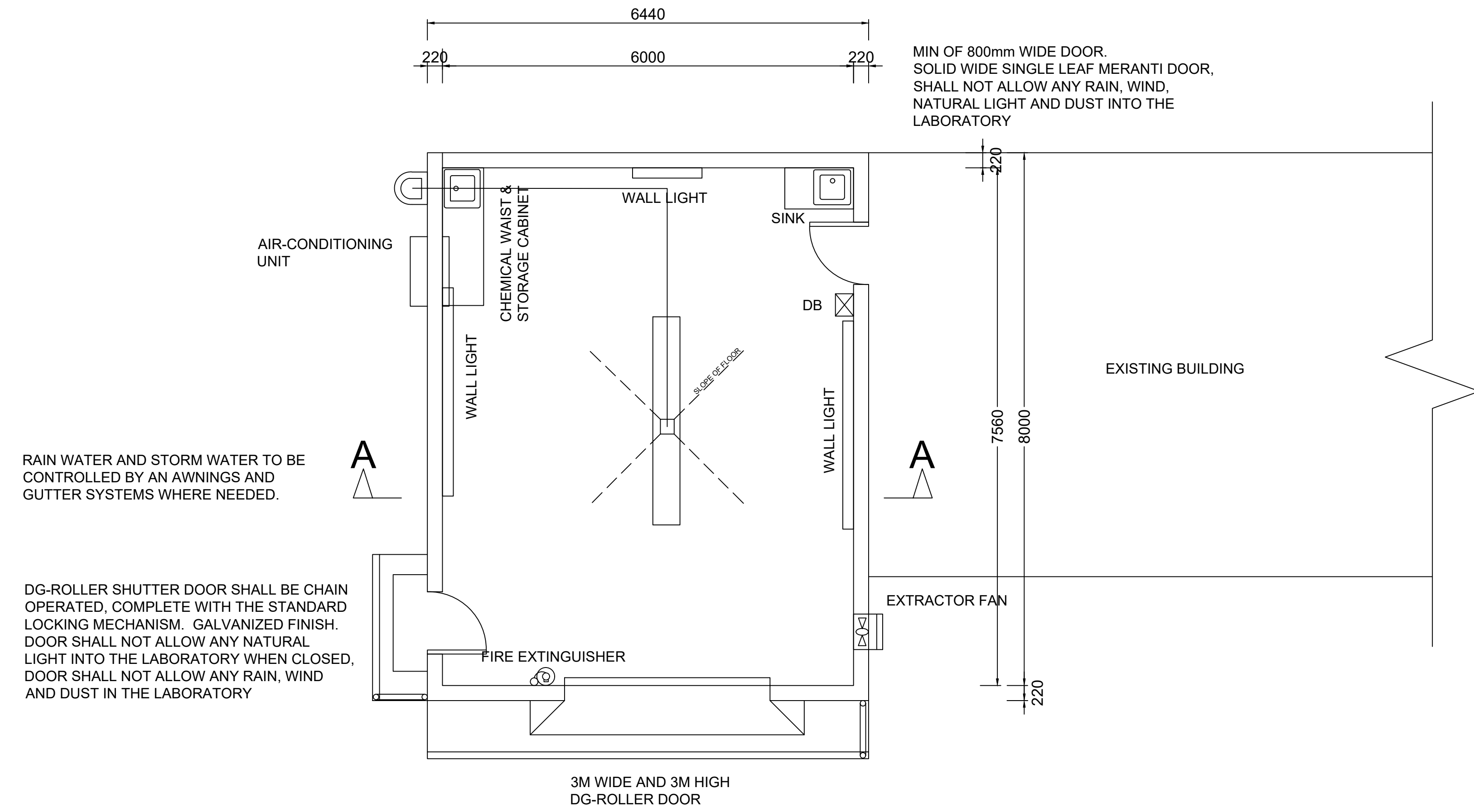


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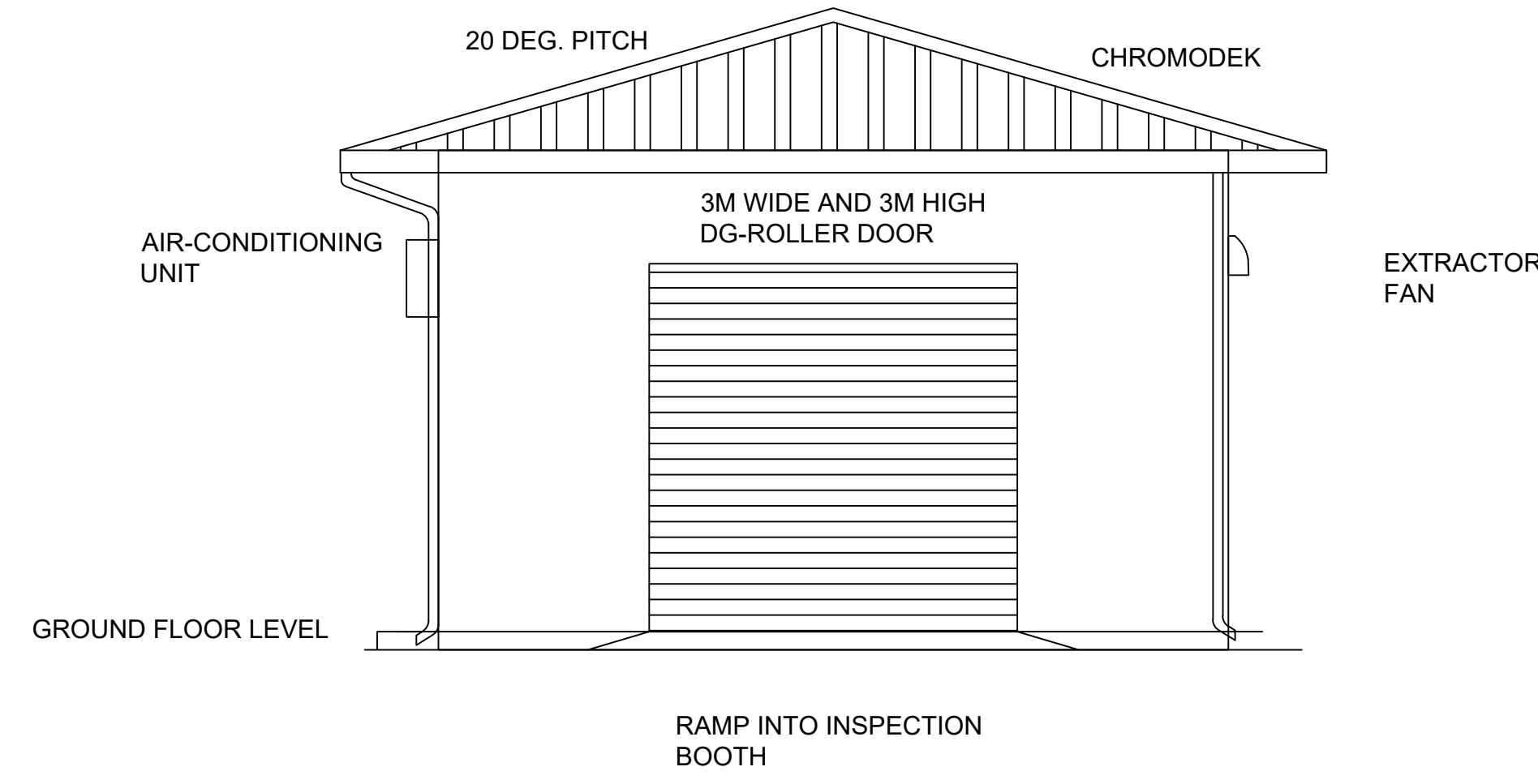
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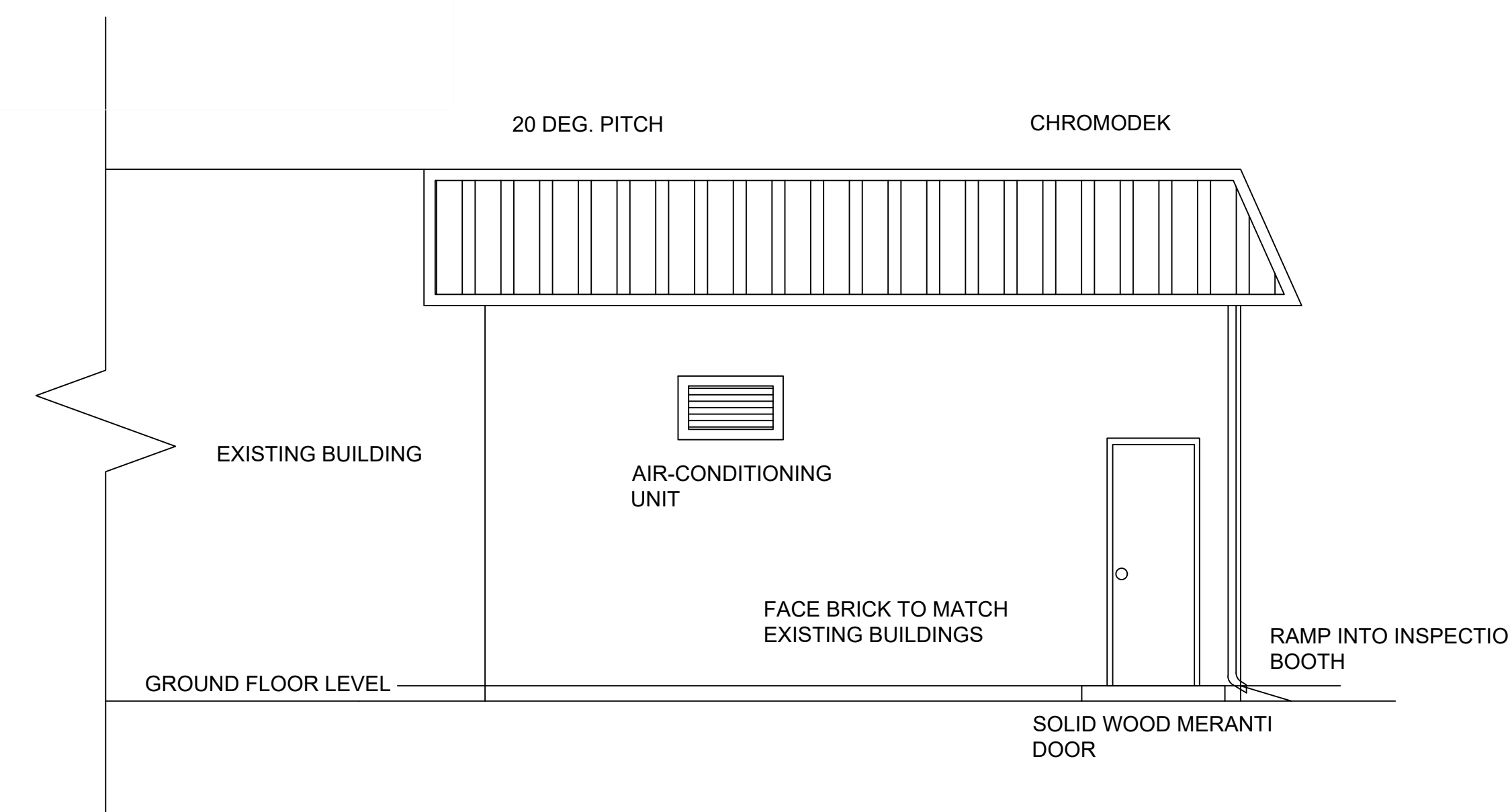
PHOTO 1:  
FRONT VIEW OF PROPOSED  
VEHICLE INSPECTION BOOTH



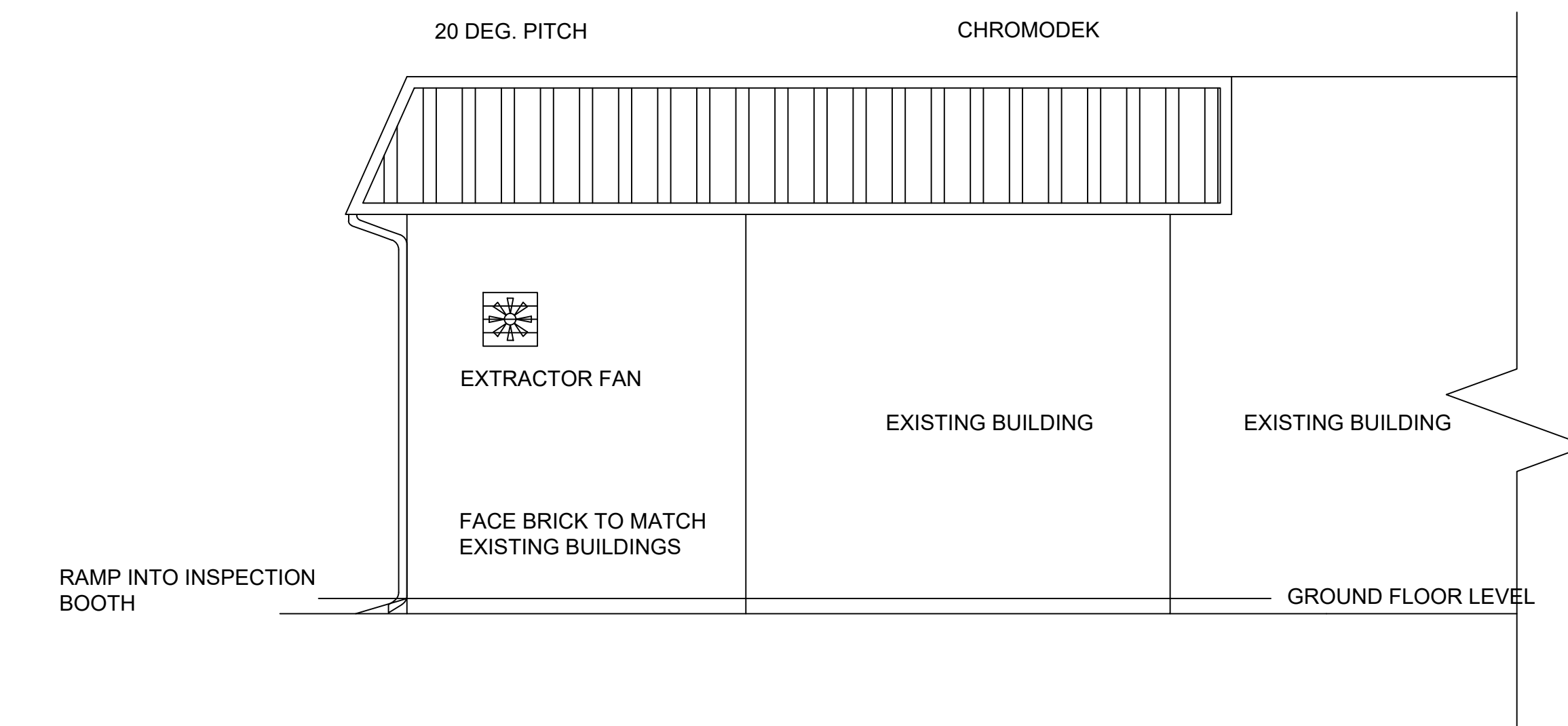
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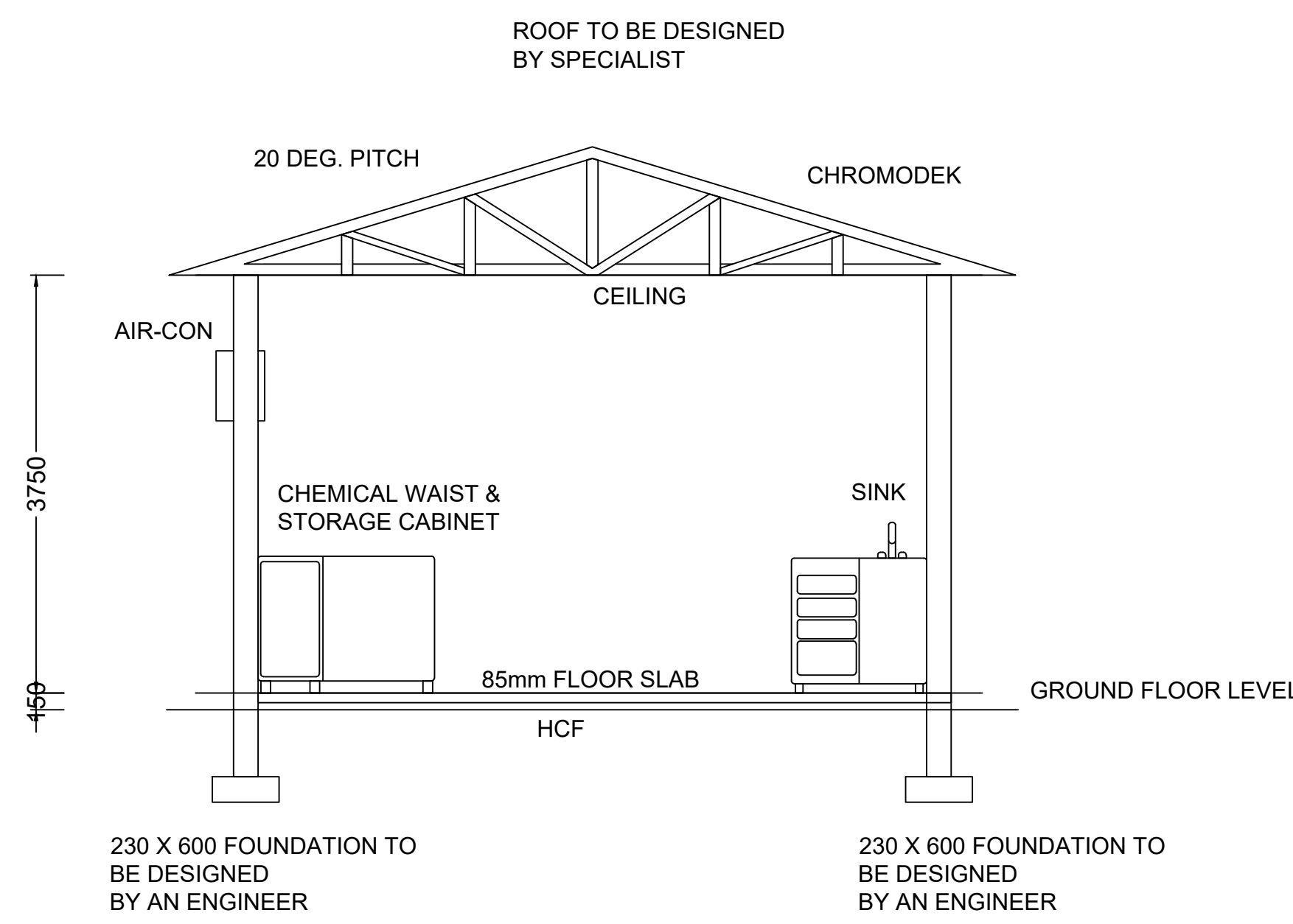
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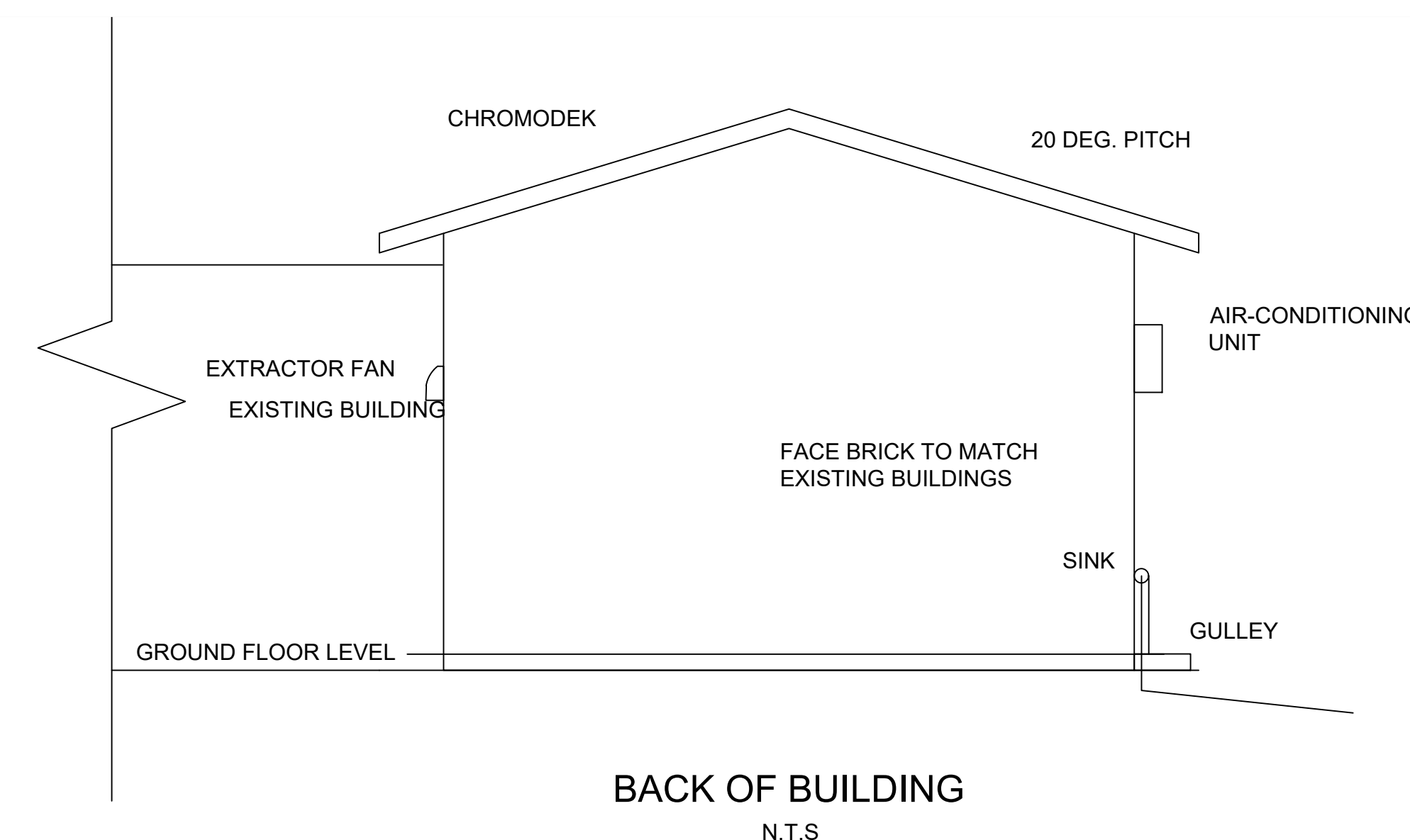
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N.T.S



**SIDE OF BUILDING**  
N.T.S



**SECTION A-A**  
N.T.S



**BACK OF BUILDING**  
N.T.S

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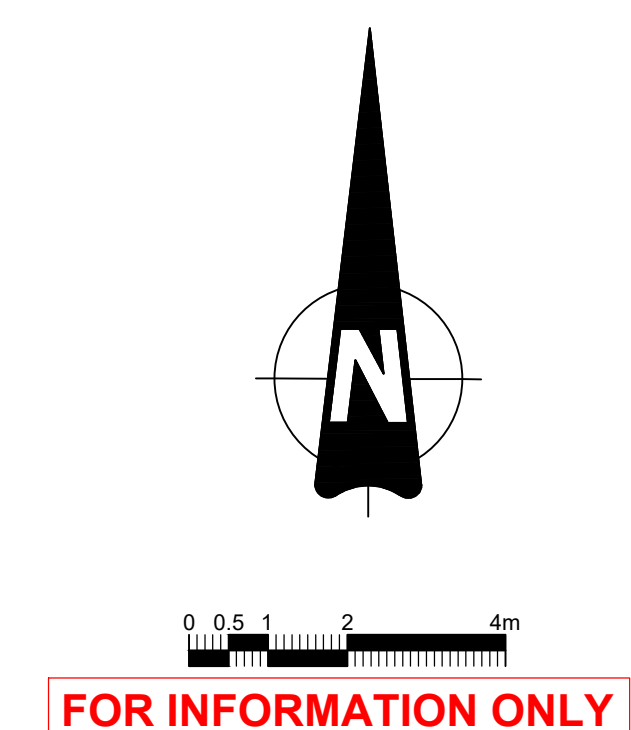
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**ZUTARI**  
IMPACT. ENGINEERED.

discipline: CIVIL AND STRUCTURAL ENGINEERING  
service: Repair and Maintenance Programme for South African Police Services Local Criminal Record Centres (LCRC)

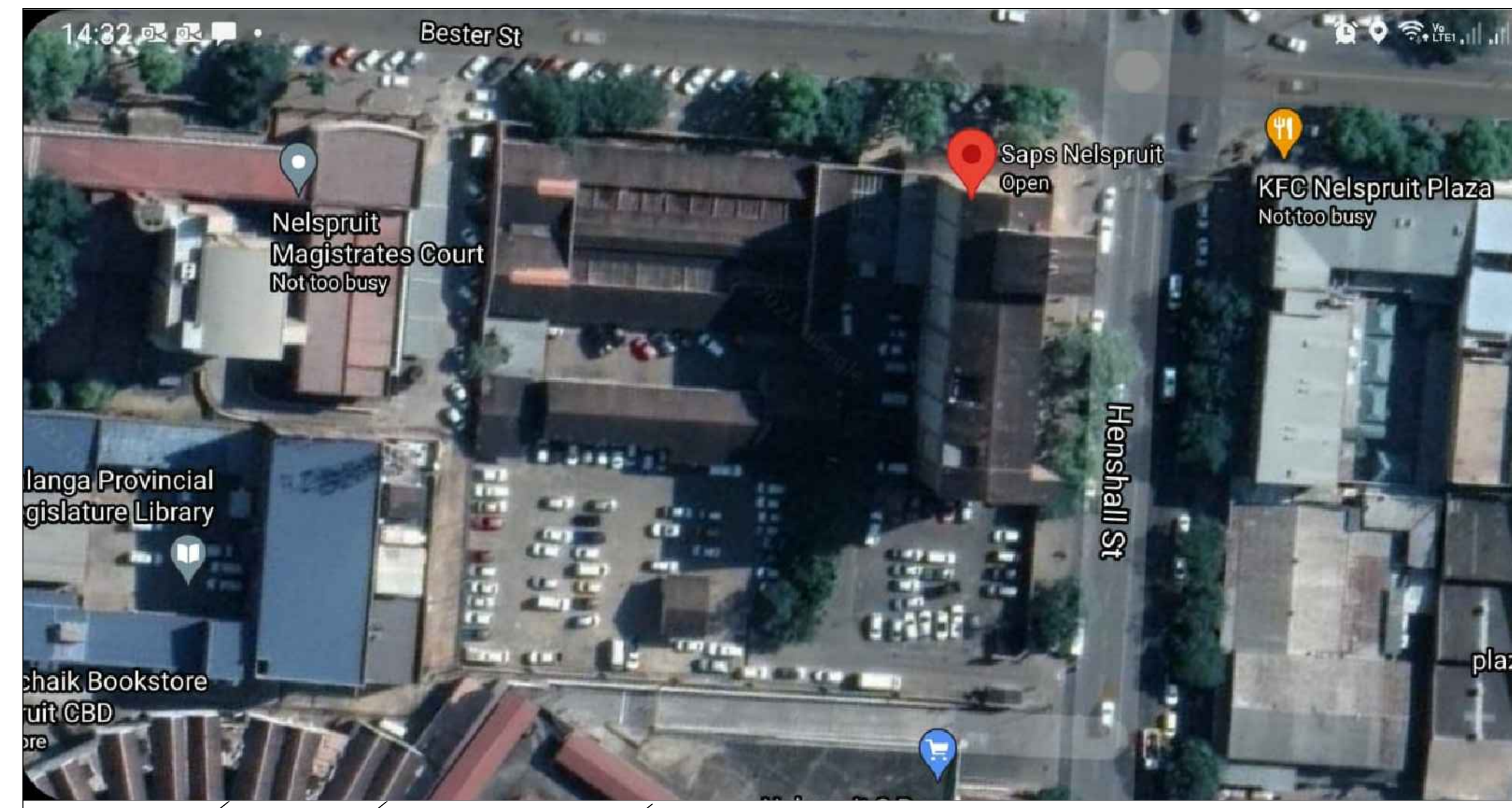
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drawing title: ACORNHOEK SOUTH AFRICAN POLICE SERVICES: NEW INSPECTION BOOTH

ref. no.:	EDIT	designed:	EDIT
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date:	DECEMBER 2021	checked:	EDIT
DPMW drawing number:	ACO - LCRC - 002		



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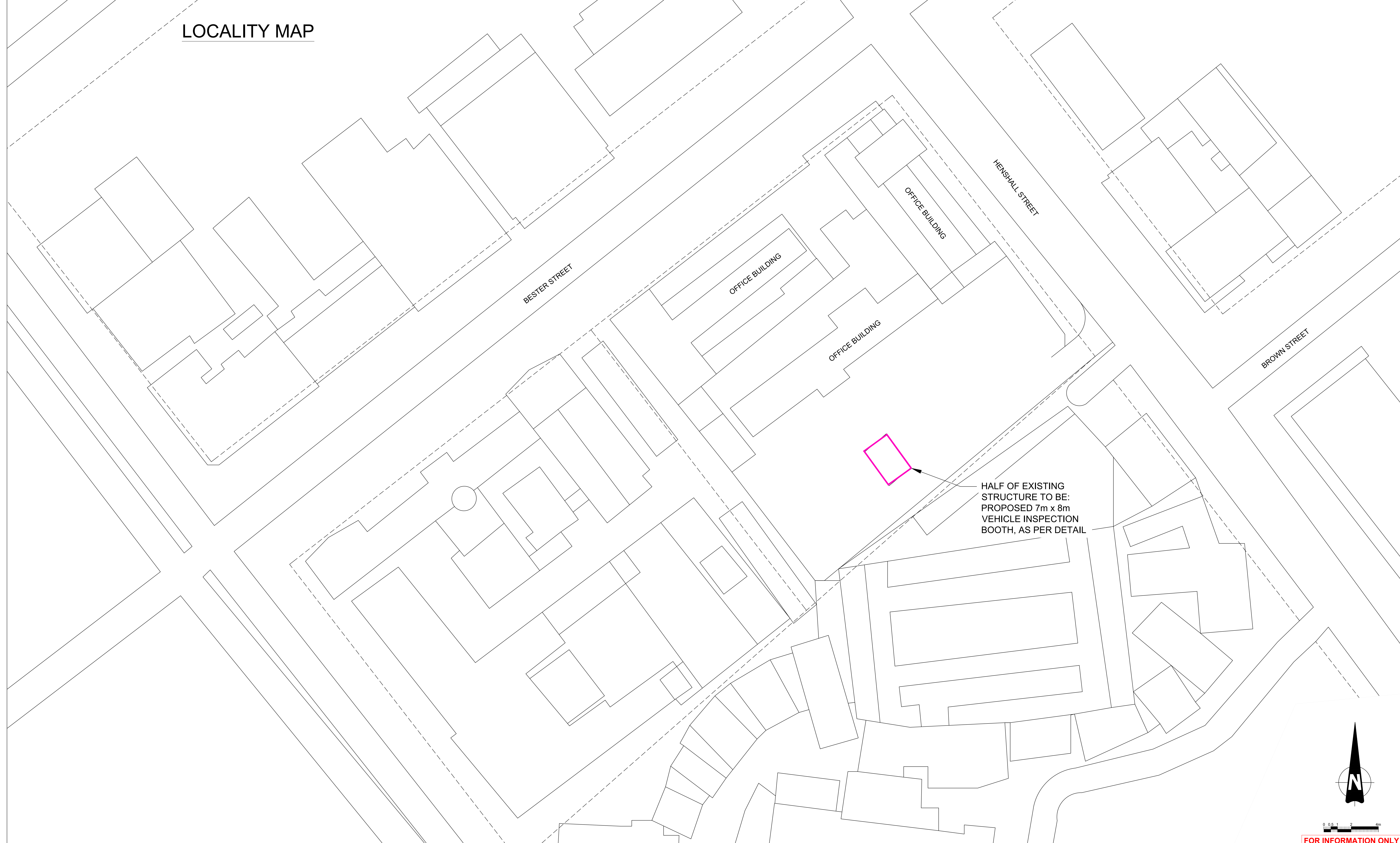
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30°58'44.60" E	

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BUILDINGS LEGEND	
1	CSC
2	RES
3	HOUSING
4	LCRC
5	PROPOSED 7m x 8m VEHICLE INSPECTION BOOTH

No.	DATE	AMENDMENT	D.P.W.

### LOCALITY MAP



HALF OF EXISTING STRUCTURE TO BE: PROPOSED 7m x 8m VEHICLE INSPECTION BOOTH, AS PER DETAIL

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Department: Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA  
DIRECTOR-GENERAL Adv. SAM VUKELA

consultant

discipline: CIVIL AND STRUCTURAL ENGINEERING

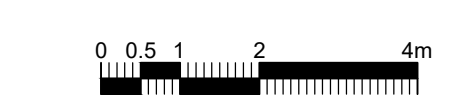
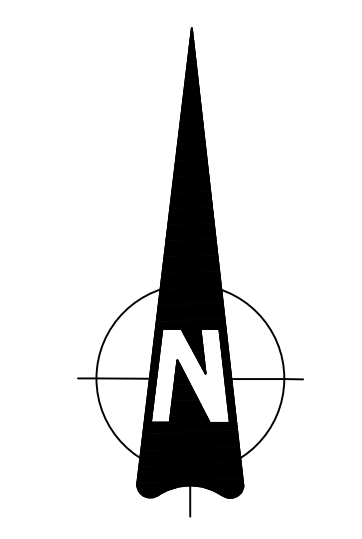
service: Repair and Maintenance Programme for South African Police Services Local Criminal Record Centres (LCRC)

WCS number: WCS 043896

drawing title: NELSPRUIT SOUTH AFRICAN POLICE SERVICES: SITE & FENCE LAYOUT PLAN

ref. no.:	EDIT	designed:	EDIT
scale:	1:750 (A0)	drawn:	EDIT
date:	DECEMBER 2021	checked:	EDIT

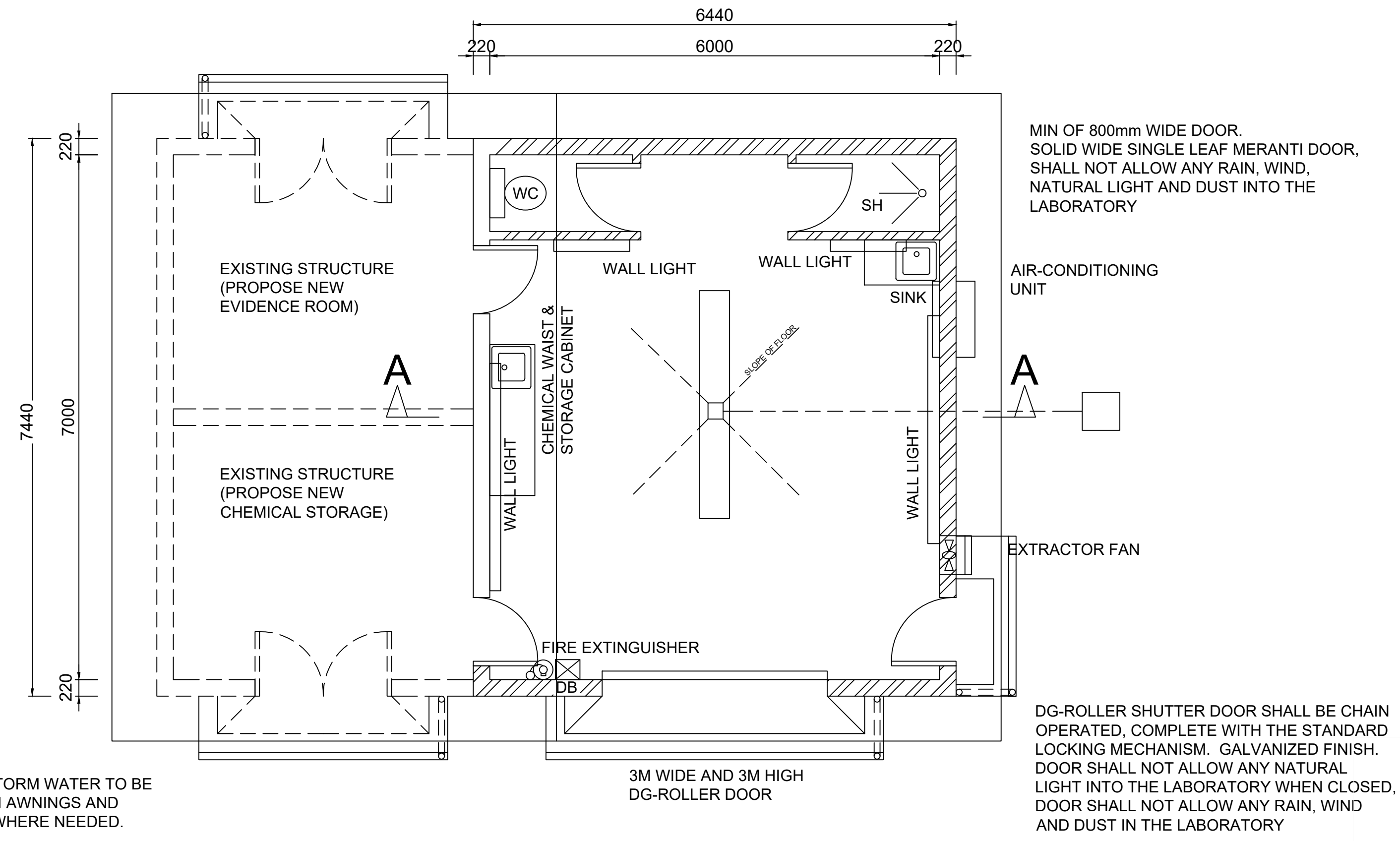
DPM drawing number: NEL - LCRC - 001



FOR INFORMATION ONLY



- NOTE:
- ALL QUANTITIES AND MEASUREMENTS TO BE DETERMINE AND VERIFIED ON SITE
  - ALL SPECIFICATIONS TO BE FOLLOWED IN PW371-A AND B
  - ALL CIVIL, ELECTRICAL AND MECHANICAL WORK TO BE AS PER SABS STANDARDS
  - SANS 1200 STANDARDS TO BE FOLLOWED FOR ALL WORKMANSHIP
  - ALL SPECIFIED ITEMS IN BOQ TO BE APPROVED BY ENGINEER IF SIMILAR ITEMS ARE AVAILABLE
  - PORTION OF EXISTING STRUCTURE TO BE CONVERTED FOR THE PROPOSED LCRC
  - EXISTING STRUCTURE, FOUNDATION, ROOF AND OVERALL INTEGRITY TO BE INSPECTED AND ASSESS PRIOR TO ANY MODIFICATIONS.
  - ROOF FINISH TO MATCH EXISTING UNLESS SPECIFIED



GROUND FLOOR PLAN  
N.T.S

RAIN WATER AND STORM WATER TO BE CONTROLLED BY AN AWNINGS AND GUTTER SYSTEMS WHERE NEEDED.

MIN OF 800mm WIDE DOOR. SOLID WIDE SINGLE LEAF MERANTI DOOR. SHALL NOT ALLOW ANY RAIN, WIND, NATURAL LIGHT AND DUST INTO THE LABORATORY

AIR-CONDITIONING UNIT  
EXTRACTOR FAN

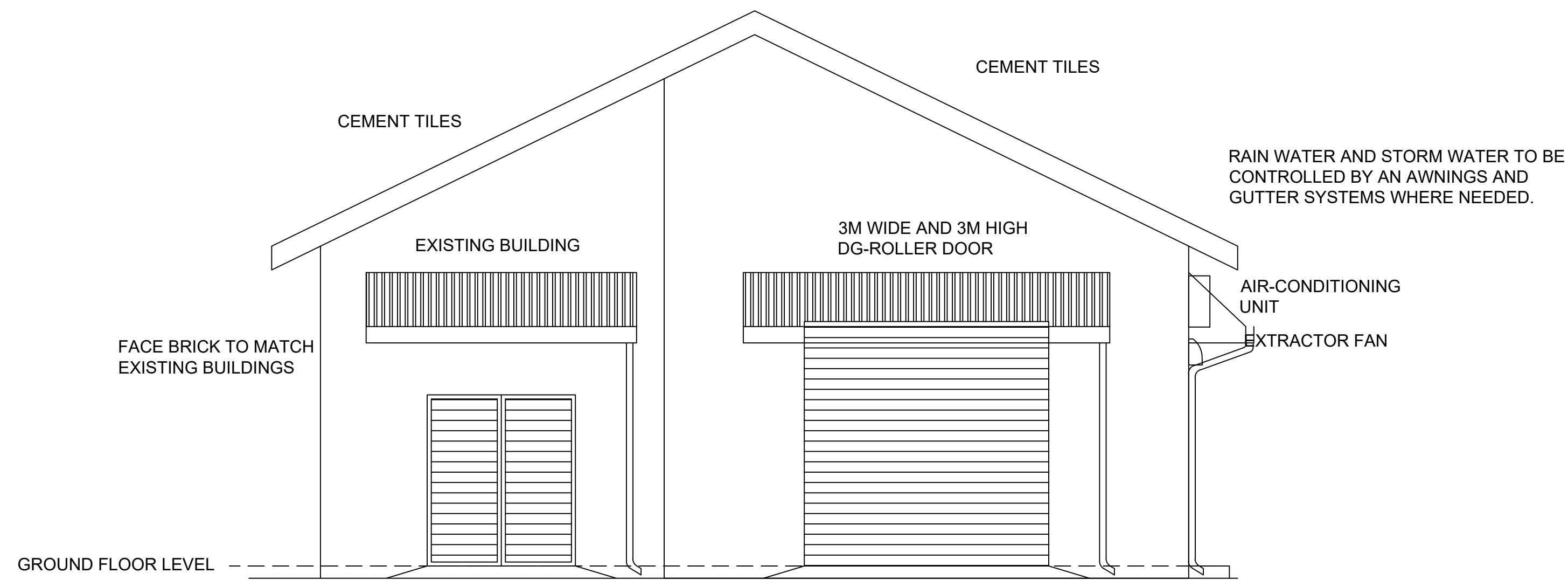
DG-ROLLER SHUTTER DOOR SHALL BE CHAIN OPERATED, COMPLETE WITH THE STANDARD LOCKING MECHANISM. GALVANIZED FINISH. DOOR SHALL NOT ALLOW ANY NATURAL LIGHT INTO THE LABORATORY WHEN CLOSED. DOOR SHALL NOT ALLOW ANY RAIN, WIND AND DUST IN THE LABORATORY



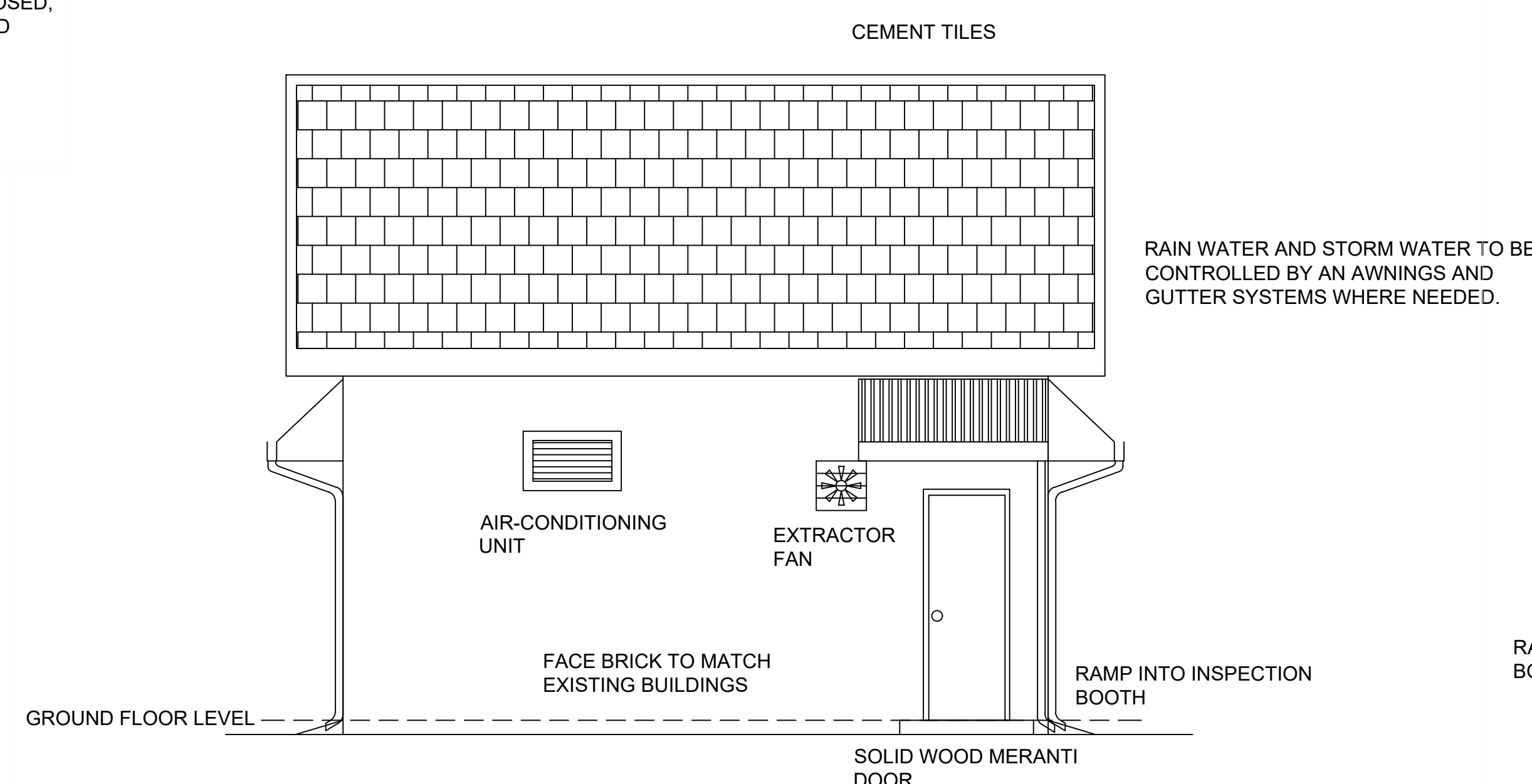
PHOTO 1:  
BACK VIEW OF PROPOSED VEHICLE INSPECTION BOOTH



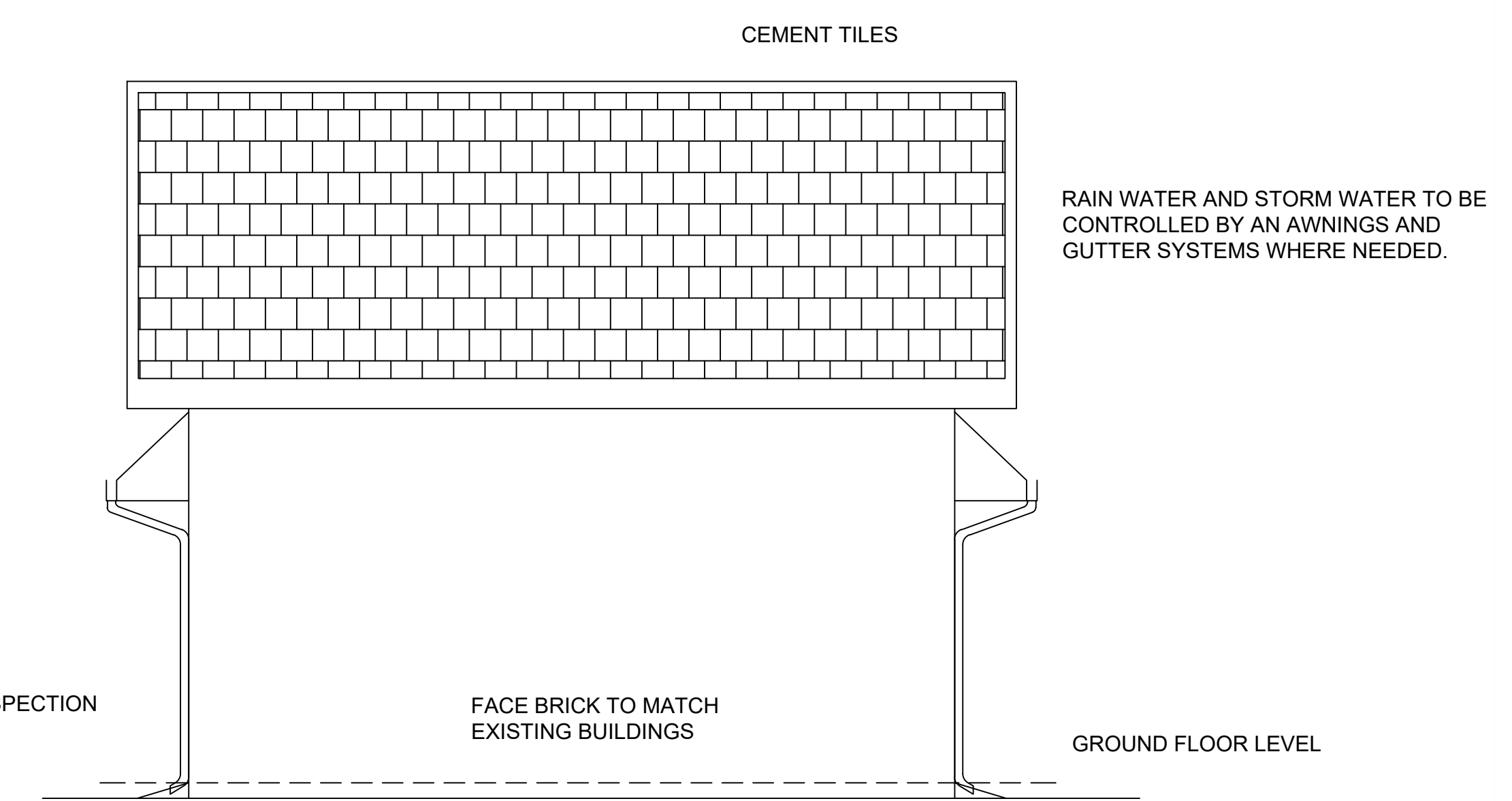
PHOTO 2:  
PARTIAL FRONT SIDE VIEW OF PROPOSED VEHICLE INSPECTION BOOTH



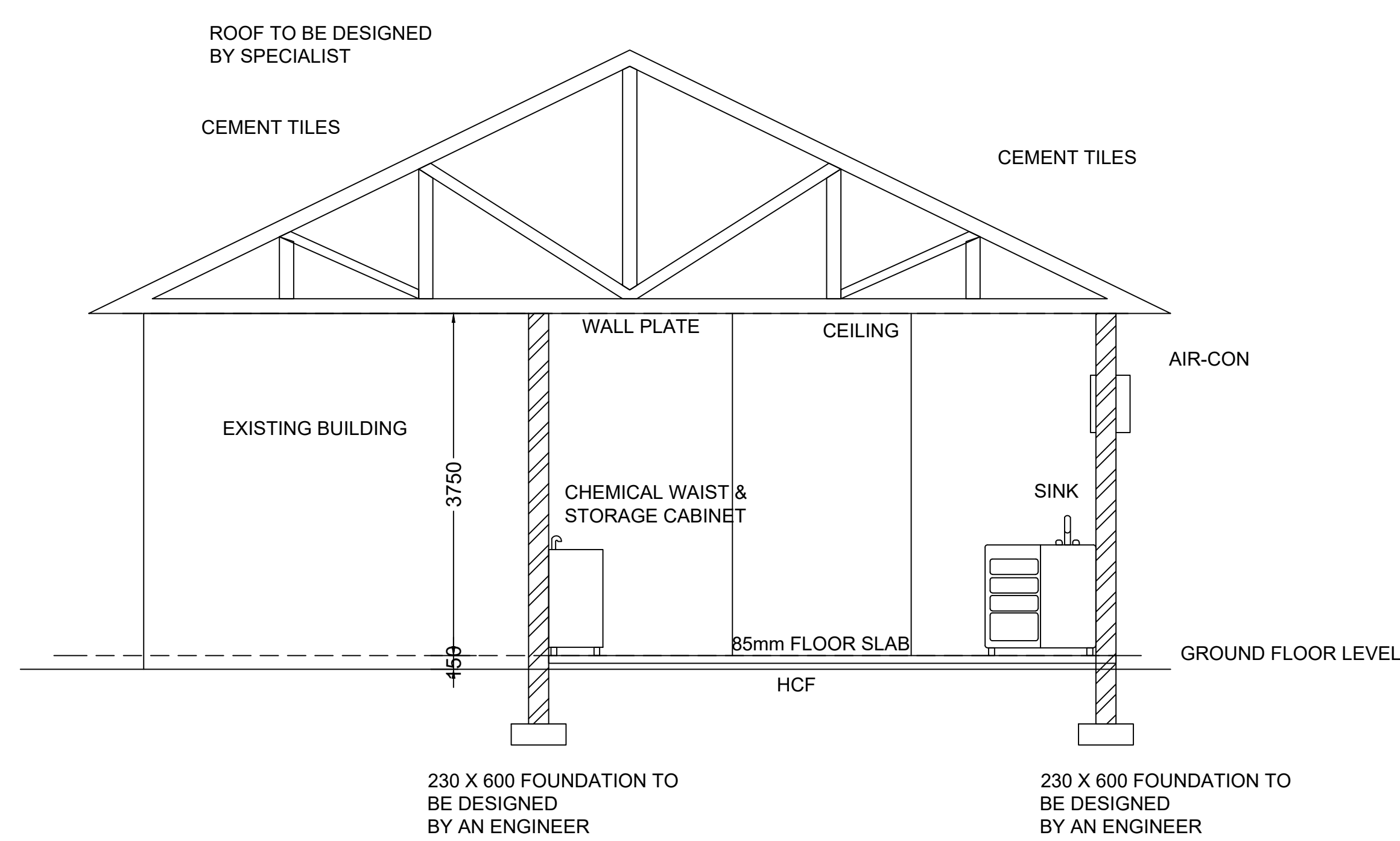
ENTRANCE  
N.T.S



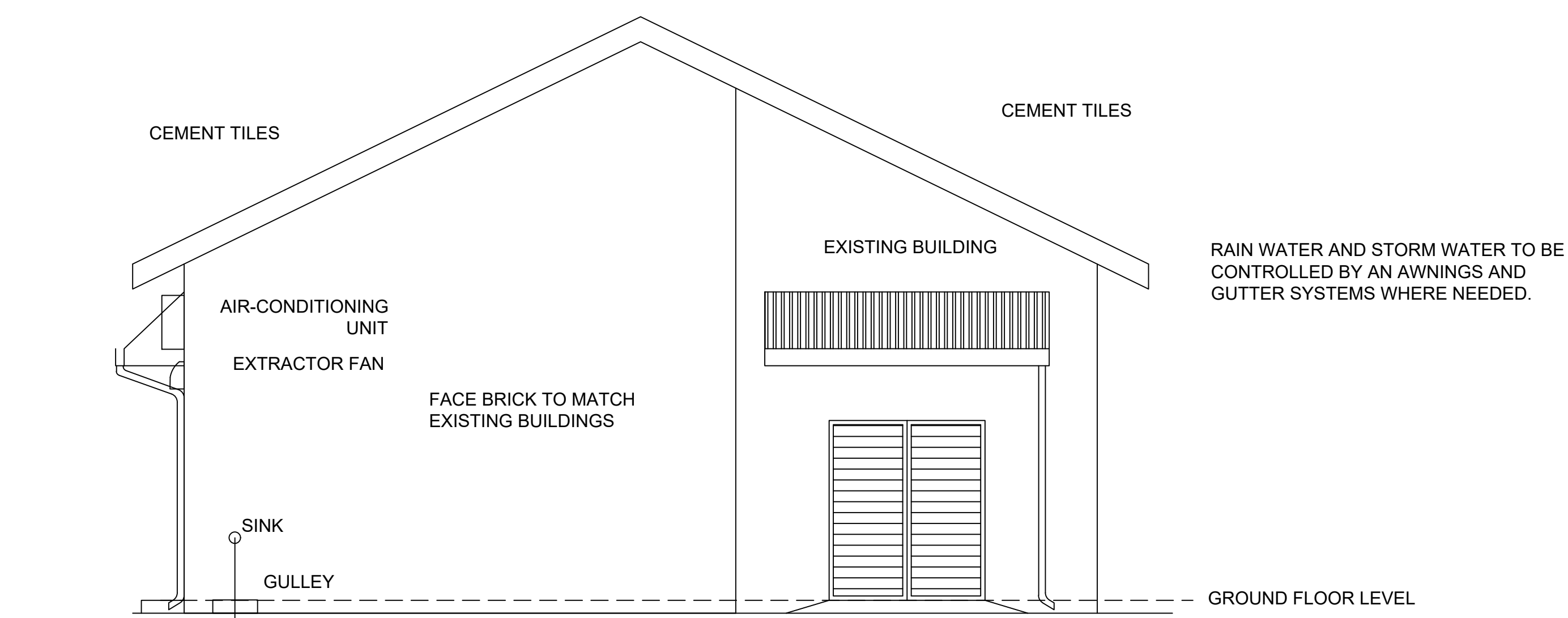
SIDE ENTRANCE  
N.T.S



SIDE OF BUILDING  
N.T.S



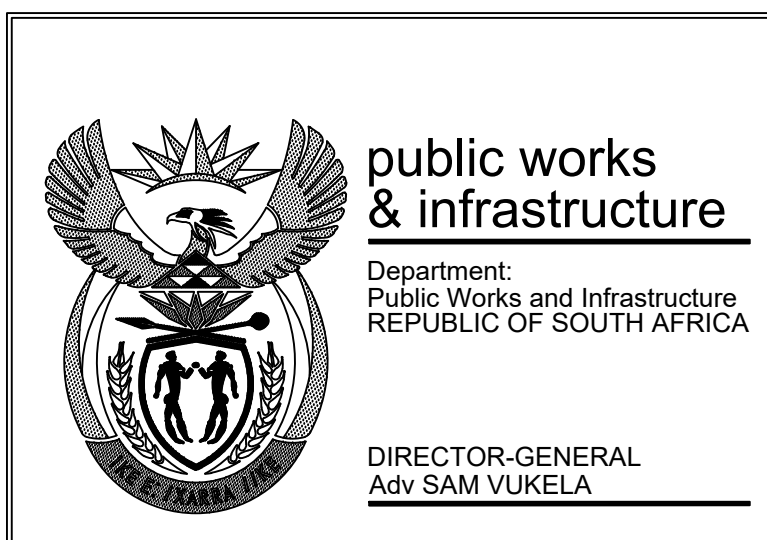
SECTION A-A  
N.T.S



BACK OF BUILDING  
N.T.S

No.	DATE	AMENDMENT	D.P.W.

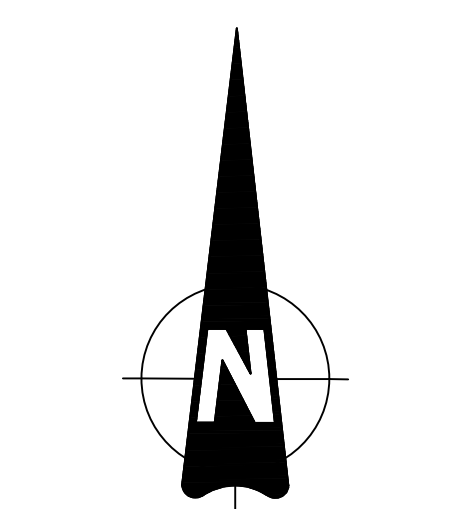
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professional registration no.: \_\_\_\_\_



consultant  
**ZUTARI**  
IMPACT. ENGINEERED.

discipline: CIVIL AND STRUCTURAL ENGINEERING  
service: Repair and Maintenance Programme for South African Police Services Local Criminal Record Centres (LCRC)

WCS number: WCS 043896  
drawing title: NELSPRUIT SOUTH AFRICAN POLICE SERVICES: EXISTING CARPORT CHANGE ONTO NEW INSPECTION BOOTHS  
ref. no.: EDIT designed: EDIT  
scale: AS SHOWN drawn: EDIT  
date: DECEMBER 2021 checked: EDIT  
DPM drawing number: NEL - LCRC - 002



0 0.5 1 2 4m  
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