



**KUNENE REGIONAL COUNCIL**  
**HEAD OFFICE**



KUNENE REGIONAL COUNCIL – P/BAG 502 – OPUWO – TEL:+264 65 273950 – FAX: +264 65 273077 – EMAIL: pmu@kunenerc.gov.na

## Request for Sealed Quotation For Works

# CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE – PHASE 1A: BOUNDARY FENCING, IN KUNENE REGION, NAMIBIA.

**Procurement Reference No: W/RFQ/KRC-01/2022**

Name of Bidder:.....

E-mail of Bidder:.....

Contact Number of Bidder:.....

Quotation Amount:.....

Bidder Information Brought forward from section II and IV

**Deadline: 04 March 2022**

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**Letter of invitation**

**Procurement Reference No. W/RFQ/KRC-01/2022**

**01 February 2022**

**Dear Sir / Madam**


**REQUEST FOR QUOTATION FOR WORKS: CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE – PHASE 1A: BOUNDARY FENCING**

The Kunene Regional Council invites you to submit your best quote for the works described in detail hereunder. Any resulting contract shall be subject to the terms and condition referred to in the document.

Queries, if any, should be addressed to Sendra Nakale the Procurement Management Unit Kunene regional council email: [pmu.kunenerc@gmail.com](mailto:pmu.kunenerc@gmail.com) .

Please prepare and submit your quotation in accordance with the instructions given or inform the undersigned if you will not be submitting a bid.

Yours faithfully

  
George P. Kamseb  
Chief Regional Officer



## SECTION I: INSTRUCTIONS TO BIDDERS

### 1. Rights of Public Entity

The Kunene Regional Town Council reserves the right:

- a) To split the contract as per the lowest evaluated cost per lot; and
- b) To accept or reject any bid or to cancel the bidding process; and reject all bids at any time prior to contract award; and
- c) To change the quantity of the quoted item. All quantities are subject to remeasurements.

### 2. Preparation of Bids

You are requested to quote for the items mentioned in section III by completing, signing, and returning:

- a) the Bid Letter in Section II with its annex for Bid Securing Declaration; and
- b) the Priced Activity Schedule Section IV
- c) the Specifications and Compliance Sheet (If required); and
- d) any other attachment as deemed appropriate

You are advised to carefully read the complete Invitation for Bid document, including the Special Conditions of Contract in Section VII, before preparing your bid. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction.

### 3. Validity of Bids

The bid validity period shall be **60 calendar days** from the date of bid submission deadline.

### 4. Eligibility Criteria

To be eligible to participate in this exercise, you should:

- a) have a valid certified copy (NAMPOL) of company Registration Certificate;
- b) have an original or certified copy (NAMPOL) of valid good Standing Tax Certificate;
- c) have an original or certified copy (NAMPOL) of valid good Standing Social Security Certificate;
- d) have a certified (NAMPOL) copy of certificate indicating SME Status (for Bids reserved for SMEs);
- e) have a valid certified (NAMPOL) copy of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action act, 1998;
- f) Submit a bank confirmation from the banking institutions as proof of banking in Namibia.
- g) Submit a signed BID-securing Declaration
- h) an undertaking on the part of the Bidder that the salaries and wages payable to its personnel in respect of this proposal are compliant to the relevant laws, Remuneration Order, and Award, where applicable and that it will abide to the Namibian Labour Laws if it is awarded the contract or part thereof; and;
- i) have over at least 2 years' experience in works of a nature and amount like the Works performed under this contract. (Attach proof, refer to item 11 below)
- j) submit a company profile.
- K) Preference shall be given to SME bidders from Kunene Region where the goods are required. Therefore, attach a confirmation letter from the Councilor's Office (not older than two months) or fitness certificate from the Local Authority in Kunene Region.

### 5. Bid Security/Bid Securing Declaration

Bidders are required to subscribe to a Bid Securing Declaration for this procurement process (refer to section II below).

**6. Works Completion Period**

The completion period for works shall be *Twenty-two (22) working days* after acceptance and issue of Letter of Acceptance. Deviation in completion period shall (not?) be considered (even) if such deviation is reasonable.

**7. Sealing and Marking of Bids**

Quotations should be sealed in a single envelope, clearly marked with the Procurement Reference Number: **W/RFQ/KRC-01/2022**, addressed to **Kunene Regional Council Mbumbiacho Muharukua Street, P/Bag Opuwo 502, Opuwo**, with the Bidder's name at the back of the envelope.

**8. Submission of Bids**

Quotation should be deposited in the Quotation/Bid Box located at **Kunene Regional Council Mbumbiacho Muharukua Street, P/Bag Opuwo 502, Opuwo**, not later than **Friday, 04 March 2022 at 14h30**. Quotations by post or hand delivered should reach above mentioned location by the same date and time at latest. Late quotations will be rejected. Quotation received by e-mail will not be considered.

**9. Bid Opening**

Quotations will be opened internally by the Public Entity immediately after the closing time referred to in section 8 above. A record of the Quotation Opening stating the name of the bidders, the amount quoted, the presence or absence of a Bid Securing Declaration, will be posted on the notice board of the Public Entity and available to any bidder on request within three working days of the Opening.

**10. Evaluation of Quotations**

The **Kunene Regional Council** shall have the right to request for clarification during evaluation. Offers that are substantially responsive shall be compared based on evaluated cost, subject to Margin Preference where applicable, suitability of Plant & Equipment offered to successful completion of the works and the experience of key personnel, to determine the lowest evaluated bid. In addition, the following will be considered:

**a) Adequacy of Technical Proposal**

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section V (Employer's Requirements).

**b) Completion Time**

An alternative Completion Time, if permitted, will be evaluated as follows:

**0,1% of the contract amount per calendar day to a maximum amount of 10% of contract amount**

**C) Local Preference**

Preference shall be given to suppliers based and operating from the Kunene Region, where the Works are required. Preference will be in the form of 5% Price Preference on the bidder's total cost for those who have submitted a substantially responsive bid. Therefore, bidders who have submitted proof of being locally based and operating from the Kunene Region (Fitness Certificate or Councilor's letter), will be evaluated financially by reducing the total bid price of the said bidder with 5% and using the reduced bid price in calculating the final price score.

**11. Qualification Criteria**

Bidders can submit along with their quotations reference letters and or completion certificates to substantiate their experience in similar projects completed.

1. **Individual**                      1.1 Annual amounts of construction work performed during the last 2 years

**Bidders or  
Individual  
Members of  
Joint Ventures**

in NAD. [Attach Proof]

1.2 Two (2) works of a nature and amount like the Works performed as prime Contractor over the last 3 years. [Also list details of work under way or committed, including expected completion date(s).] [Attach

Project /Contract name and country	Name of client and contact person	Type of work performed and year of completion	Value of contract in NAD
a)			
b)			
c)			

1.3 Major items of Contractor's Equipment proposed for carrying out the Works. [List all information requested below]

Item of equipment	Description, make and age (years)	Condition (new, good, poor) and number available	Owned, leased (from who?), or to be purchased (from who?)
a)			
b)			
c)			
d)			
e)			
f)			

1.4 Qualifications and experience of key personnel proposed for administration and execution of the Contract. [Attach biographical data]

Position	Name	Years of experience (general)	Years of experience In proposal position
a)			
b)			
c)			
d)			

1.5 Financial reports for the last 3 years: Financial Statements, Audited Accounts, etc.

1.6 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List below and attach copies of support documents.

1.7 Name, address, and telephone, telex, and facsimile numbers of banks that may provide references if contacted by the Public Entity.

**12. Prices and Currency of Payment**

Prices for the executive of works shall be fixed in Namibian Dollars as quoted. Quotations shall cover all costs of labour, materials, equipment, overheads, profits, and all associated costs for performing the works, and shall include all duties. The whole cost of performing the works shall be included in the items stated, and the cost of any incidental works shall be deemed to be included in the price quoted.

**13. Margin of Preference**

Margins of Preference shall be applicable (Only Bids within the envelope of **-10% and +10%** from the budgeted expenditure will be considered for further analyses).

**14. Award of contract**

The Bidder having submitted the lowest evaluated responsive quotation and qualified to perform the works shall be selected for award of contract. **Award of contract shall be by issue of a Purchase Order/Letter of Acceptance in accordance** with terms and condition contained in Section V: Contract Agreement and General Condition of Contract.

**15. Performance security**

The successful bidder shall upon acceptance of its offer submit a Performance Security as per the format contained in the Schedule for an amount of 10% of the contract price.

**16. Notification of award and debriefing**

**Kunene Regional Council** shall after award of contract promptly inform all unsuccessful bidders in writing of the name and address of the successful bidder and the contract amount and post a notice of award within **five (5) working days**. Furthermore, the Public Entity shall attend to all requests for debriefing made in writing within **five (5) working days** of the unsuccessful bidders being informed of the award.



## SECTION II: QUOTATION LETTER

(to be completed by Bidders)

*Complete this form with all the requested details and submit it as the first page of your bid with the Priced Activity Schedule and documents requested above. A signature and authorization on this form will confirm that the terms and conditions of this RB prevail over any attachments. If your bid is not authorized, it will be rejected.*

Bid addressed to:	Kunene Regional Council, Mbumbiako Muharukua Street, Opuwo
Procurement reference number:	W/RFO/KRC-01/2022
Subject of procurement:	

We offer to execute the Works detailed on the Statement of Requirements, in accordance with the terms and conditions stated in your Invitation for Bids referenced above.

We confirm that we are eligible to participate in this Bidding exercise and meet the eligibility criteria specified in Section 1: Instructions To Bidders.

We undertake to abide by the Conduct of Bidders and Suppliers as provided under the Public Procurement Act during the procurement process and the execution of any resulting contract.

We have read and understood the content of the Bid Securing Declaration (BSD) attached hereto and subscribe fully to the terms and conditions contained therein. We further understand that this subscription could lead to disqualification on the grounds mentioned in the BSD.

We declare that the salaries and wages to be paid in respect of this quotation are compliant with the relevant Laws, Remuneration Order and Award where applicable and that we shall abide to clause 52 of the General Conditions of Contract if we are awarded the contract or part thereof.

The validity period of our bid is **Sixty (60) calendar days** from the date of the bid submission deadline.

We confirm that the prices quoted in the Priced Activity Schedule are fixed and firm and will not be subject to revision or variation if we are awarded the contract **prior to the expiry date** of the bid validity.

Work will commence within **Seven (7) calendar days** from date of issue of Letter of Acceptance.

Works will be completed within \_\_\_\_\_ [Bidder to insert number] days from the date of issue of Letter of Acceptance.

**Bid authorized by:**

Name of Bidder		Company's Address and seal:	
Contact Person			
Name of Person Authorizing the Quotation:		Position:	Signature:
Date		Phone No./Email:	

**BID SECURING DECLARATION**  
**(Section 45 of Act) (Regulation**  
**37(1) (b) and 37(5))**

Date ...../...../20.....

**Procurement Ref No: W/RFQ/KRC01/2022**

**To: Kunene Regional Council**  
**P/Bag 502**  
**Opuwo**

I/we understand that in terms of Section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/we accept that under Section 45 of the Act, I/We may be suspended or disqualified in the event of

- a) a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;
- b) refusal by a bidder to accept a correction of any error appearing on the face of a bid;
- c) failure to sign a procurement contract in accordance with the terms and condition set forth in the bidding document, should I/We be successful bidder; or
- d) failure to provide security for the performance of the procurement contract if required to do so by the bidding document.

I/We understand this bid securing declaration ceases to be valid if I/We are not the successful Bidder

Signed: .....

*[Insert signature of person whose name and capacity are shown]*

Capacity of: .....

*[Indicate legal capacity of person(s) signing the Bid Securing Declaration]*

Name: .....

*[Insert complete name of person signing the Bid Securing Declaration]*

Duly authorized to sign the bid for and on behalf of: .....

Date on ..... Day of .....

*[Insert the date of signing]*

Corporate Seal (where appropriate)

[Note\*: In case of a joint venture the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]

***\*delete if not applicable / appropriate***



REPUBLIC OF NAMIBIA

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MINISTRY OF LABOUR, INDUSTRIAL RELATIONS AND EMPLOYMENT CREATION

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**Written undertaking in terms of Section 138 of the labour Act, 2015 and Section 50(2) (D) of the  
Public Procurement Act, 2015**

**1. EMPLOYER'S DETAILS**

Company Trade Name: .....

Registration Number: .....

Vat Number: .....

Industry/ Sector: .....

Place of Business: .....

Physical Address: .....

Contact No: .....

Fax No: .....

Email Address: .....

Postal Address: .....

Full Name of Owner/ Accounting Officer: .....

Email Address: .....

**2. PROCUREMENT DETAILS**

Procurement Reference No: .....

Procurement Description: .....

Anticipation Contract Duration: .....

Location where work will be done, good/services will be delivered: .....

**3. UNDERTAKING**

I .....owner / representative of

..... hereby undertake in writing that my company will at all relevant times comply fully with the relevant provision of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide to such shall lead to the action as stipulated in Section 138 of the Labour Act, 2007, which include but not limited to the cancellation of the contract/license/grant/permit or concession.

**Signature:** .....

**Date:** .....

**Seal:** .....

Please take note:

1. A labour inspector may conduct unannounced inspections to assess the level of compliance.
2. This undertaking must be displayed at the workplace where it will be readily accessible and visible by the employees rendering service(s) in relations to the goods and services being provided in this contract.

## SECTION III: STATEMENT OF REQUIREMENTS

### A. SCOPE OF WORKS, SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

#### SCOPE OF THE WORKS

The works to be carried out under this Contract comprises of the following.

#### Boundary Fencing

The general construction consists of erecting a boundary fencing approximately 202m long and 2.2m high from above natural ground level, fence formed of mild steel posts, stays, straining wires, razor wires and covered with razor mesh secured to concrete ground edge beam and posts, with and including a pedestrian gate, vehicle sliding gate, and a delivery gate.

### APPLICABLE STANDARDISED AND PARTICULAR SPECIFICATIONS

For the purposes of this contract, the Bidder is advised to refer to Trade Preambles before inserting prices.

### B. DRAWINGS

The work shall be carried out in accordance with the following Drawings which form part of the Contract Document.

**ANNEXURE B contains drawings utilised in compiling the activity schedule. The bidder is referred to annexure B to fully familiarize themselves with the drawings.**

Drawing Description	Drawing No.	Revision
Site Plan with Fencing Layout	2133-000	
Elevations and Details	2133-100	
1.8m Razor Mesh Security Fence Details	P2684-CF-10	B

## SECTION IV: ACTIVITY SCHEDULE SUMMARY

Procurement Reference Number: W/RFQ/KRC-01/2022

[Complete the unit and total prices for each item listed below. Authorize the prices quoted in the signature block below.]

ANNEXURE A contains the un-priced bill of Quantities / activity schedule. The bidder is referred to annexure A to complete the unit and total prices for each item, final total to be brought forward to the activity schedule summary table below.

				A	B	C = [A x B]
ITEM	BILL	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT(N\$)
TOTAL BROUGHT FORWARD FROM ANNEXURE A						
					<b>Sub-Total</b>	
					<b>VAT@15%</b>	
					<b>TOTAL (N\$)</b>	

### -priced Activity Schedule Authorised By:

Name:		Signature:	
Position:		Date:	
Authorized for and on behalf of:		Company	

The Bidder is strongly advised to familiarize him/herself with the nature and extent of the works and site to adequately make Provisions and Pricing for Preliminaries and Generals items.

### ADDITIONAL NOTES TO BIDDERS:

1. Drawings

The Bidder is referred to the Section III "Drawings" included with these Activity Schedules.

2. Activity Schedules

The pages of these Activity Schedules are numbered consecutively, and the bidder is advised to check the number of pages and if any are missing or duplicated, or the figures or typing is indistinct, or if the Schedules contain any obvious errors, the Bidder must immediately apply to the Kunene Regional Council

to have the same rectified, as no liability whatsoever will be admitted in the Bidder's Quotation due to the foregoing.

No alteration, erasure, omission, or addition is to be made in the text and conditions of these Activity Schedules and should any such alteration, amendment, note, or addition be made, the same will not be recognised, but the reading of these Activity Schedules as prepared by the Quantity Surveyor on behalf of Kunene Regional Council will be adhered to.

Should there be any discrepancies in the descriptions and or quantities between the Activity Schedules and the project drawings, the project drawings will in all events supersede the items in the Activity Schedules. This activity schedule is provisionally measured, and all Items (except for preliminaries and general) shall be re-measured upon completion for final account purposes

### 3. Site

The Bidder is strongly advised to inspect the site and acquaint themselves thoroughly with the nature and extent of the works, transport facilities, condition of adjacent existing buildings and access to the site, limitations, and availability of working space, etc. before submitting their bid as no extras arising out of their failure to do so will be entertained. No pre-bid sites visit arranged; bidder is advised to contact Kunene Regional Council should they need to inspect the site during bidding period.

### 4. Procedure of work

The Bidder's attention is drawn to the SECTION 1 INSTRUCTIONS TO BIDDERS, AND SECTION VI SPECIAL CONDITIONS OF CONTRACT FOR "DATE FOR POSSESSION AND PRACTICAL COMPLETION".

### 5. Penalties for non-completion

The Bidder's attention is drawn to SECTION 1 INSTRUCTIONS TO BIDDERS, AND SECTION VI SPECIAL CONDITIONS OF CONTRACT "LIQUIDATED DAMAGES"

### 6. Value added tax

All prices in these Activity Schedules are to be nett, i.e., rates are to exclude value-added tax. The value-added tax is to be added to the total nett contract amount on the summary page.

### 7. Escalation of building cost

The Bidders is advised that cost escalation is **NOT** applicable.

### 8. Contract documents

The Bidder is advised to acquaint himself thoroughly with the nature and requirements of the work, as no claim for extra payment in this connection will afterwards be entertained. Should any parts of the documents or drawings not be clearly intelligible to the Bidder, he must, before submitting his tender, obtain clarification from the Kunene Regional Town Council.

### 9. Sans Specifications

All references in these Activity Schedules to Specifications of the South African National Standards shall be deemed to be reference to the latest issues of such specifications, and any subsequent amendments thereto. All articles, materials or items described as to conform to the SANS Specifications must bear the SANS mark.

#### 10. Final Account

The Bidder's attention is drawn to the fact that items (except for preliminaries and general) are provisionally measured and shall be re-measured and adjusted at Schedule rates during the preparation of the Final Account.

#### 11. Materials and workmanship

The Project Manager shall require the Bidder to furnish samples of all workmanship for his approval prior to the work being executed and that these samples shall be for the Bidder's account.

#### 12. Submission of priced activity schedule and other relevant information

The attention of the Bidder is drawn to the fact that his original priced Activity Schedule used for Quoting purposes must be completed in black ink. The priced Activity Schedule must have all the items properly priced, extended and cast in black ink. The use of pencil or correcting fluid and failure to initial every page may result in disqualification of the tender.

**If any item is unpriced, it will be assumed that allowance has been made in other items to cover its cost.**

#### 13. Employment of Namibian People

No employee of the Bidder originating from any other country shall enter Namibian territory without a work permit and a residence permit, obtainable from the Ministry of Home Affairs and Immigration.

It is an explicit condition of this contract that no unskilled or semi-skilled labour may be employed on the works unless he/she is a Namibian citizen. It is a further condition that a minimum of 30% of skilled labour employed on the works shall be Namibian citizens. Where a Bidder's labour component consists of more than 30% or up to 100% Namibian citizens, the requirement stipulated below still applies.

**The Bidder is required to schedule and specify the skilled Namibian personnel he intends employing as well as the skilled non-Namibian personnel he intends bringing into Namibia for the sole purpose of executing the works. This list must be attached to the Bidding document. Submission of this list does not absolve the Bidder from compliance with any of a foregoing condition.**

#### 14. Work Permits

Work permits as issued by the Ministry of Home Affairs and Immigration will be accepted for specialized and/or Professional personnel only and only in the case where said specialized positions cannot be filled by Namibians.

#### 15. Performance guarantee

Relevant clause(s) in the Notes to Bidders, General Conditions of Contract, and Special Conditions of Contract shall apply.



## **SECTION V: GENERAL CONDITIONS OF CONTRACT AND CONTRACT AGREEMENT**

Any resulting contract shall be placed by means of a Letter of Acceptance and shall be subject to the latest issues of the General Conditions of Contract (GCC) for the Procurement of Goods (**W/RFQ/KRC-01/2022**) available at **Kunene Regional Council Offices**, except were modified by the Special Conditions below.

## SECTION VI: SPECIAL CONDITIONS OF CONTRACT

**Procurement Reference Number: W/RFQ/KRC-01/2022**

The clause numbers given in the first column correspond to the relevant clause number of the General Conditions of Contract: Request for Sealed Quotation.

GCC Clause Reference	Special Conditions
<b>Employer GCC 1.1(r)</b>	<b>Kunene Regional Council</b>
<b>Intended Completion Date GCC</b>	The intended completion date is: <b>On or before Twenty-two (22) working days after project site handover, excluding the annual builder's holiday during December and January, but including all other statutory holidays.</b>
<b>Project Manager GCC 1.1 (y)</b>	The project Manager is: <b>Mr. Valontino James</b> For: <b>Lithon Project Consultants (Pty) Ltd</b> <b>PO Box 40902</b> <b>Ausspannplatz</b> <b>37 Feld Street</b> <b>Windhoek,</b> <b>Namibia</b>
<b>Site GCC 1.1 (aa)</b>	The Site is located within Kunene Regional Council Boundaries.  The properties on which the work will be executed are Erven 350 and 364 Okanguati. It is the responsibility of the Contractor to visit the sites prior to submitting their bid in order for them to inform themselves of the conditions thereon.  The Contractor must make all necessary arrangements with the proper authorities as to the nature, exact site location, access to and from the site for the whole period of the Contract.  No claims for extras arising from these matters will be subsequently entertained or admitted.
<b>Start Date GCC 1.1 (dd)</b>	The Start Date shall be: <b>Within Seven (7) calendar days after letter of acceptance and on the date of site handover.</b>
<b>The works GCC 1.1 (hh)</b>	The works consist of: As specified in section 111 of this document
<b>Interpretation GCC 2.2</b>	The project will be completed in the following section: <b>As a whole</b>
<b>Language and Law GCC 3.1</b>	The language of the contract is English The law that applies to the contract is the law in Namibia.

<b>Project manager's Decisions 4.1</b>	<p>The Project Manager shall obtain specific approval from employer before carrying out any of his duties under the contract which in the Project Managers opinion will cause the amount finally due under the contract to exceed the contract price or will give entitlement to extension of time. This requirement shall be waived in an emergency affecting safety of personnel or works or adjacent property.</p>
<b>Delegation GCC 5.1</b>	<p>The Project Manager may delegate his/her duties as follows:</p> <p><b><u>Architect:</u></b>  <b>Prinsloo Loubser Architects Incorporated</b>  <b>P.O Box 22111</b>  <b>Windhoek</b></p> <p><b><u>Quantity Surveyor:</u></b>  <b>Jurgens Laubscher Quantity Surveyors Incorporated</b>  <b>P.O Box 81643</b>  <b>Olympia</b>  <b>Windhoek</b></p> <p><b><u>Civil/Structural/Mechanical/Electrical Engineer</u></b>  <b>Lithon Project Consultants (Pty) Ltd</b>  <b>PO Box 40902</b>  <b>Ausspannplatz</b>  <b>37 Feld Street</b>  <b>Windhoek,</b>  <b>Namibia</b></p>

<b>Notice GCC 6</b>	<p>Any notice shall be sent to the following address:</p> <p>For the Employer:</p> <p>For the Employer, the contact address, email, telephone and contact person and name shall be as given on the page 2 of this Bidding Document.</p> <p>For the Contractor:</p> <p>For the Contractor the address shall be as given on the first page of the Purchase Order/Letter of Acceptance and the contact name shall be:</p> <p>Company Name: .....</p> <p>Contact Person: .....</p> <p>Cell. No: .....</p> <p>Email: .....</p>
<b>Insurance GCC 13.1</b>	<p>Expect for the cover mentioned in (d)(i) hereunder, the other insurance covers shall be in the name of the Contractor and the minimum insurance amounts shall be:</p> <p><i>a) for the Works, Plant and Materials: (for the full amount of the works including removal of debris, professional fee etc....)</i></p>

	<p>b) for loss of damage to Equipment: <i>(for the replacement value of the equipment that the Contractor intends to use on site until the taking over by the Employer)</i></p> <p>c) for loss or damage to property: (except the Works, Plant, Materials and Equipment) in connection with the Contract for an amount representing the value of the Properties that are exposed to the action of the Contractor in the execution of the works. It will extend to the property of the Procuring Entity as well).</p> <p>d) For personal injury or death:</p> <p>i) of the Contractor's employees: <i>[The contractor shall take an adequate insurance cover for its employees for any claim arising in the works].</i></p> <p>ii) of other people: <i>[This cover shall be for an adequate amount for Third Party extended to the Employer and its representatives].</i></p> <p>e) for loss or damage to materials on site and for which payment have been included in the Interim Payment Certificate, where applicable.</p> <p>The Contractor shall choose to take the insurance covers indicated above as separate covers or a combination of the Contractor's All Risks coupled with the Employer's liability and First Loss Burglary, after approval of the Employer. All insurance covers shall be of nil or the minimum possible deductibles at sole expense of the Contractor.</p>
<p><b>Site data</b> <b>GCC 14.1</b></p>	<p>The site data is as indicated in the contract documentation. Additionally, the contractor is to familiarise themselves with the site condition and may request any additional available information from the Employer.</p> <p>No claims for extras arising from these matters will be subsequently entertained or admitted.</p>
<p><b>Possession of the Site</b> <b>GCC 20.1</b></p>	<p>The Site Possession Date shall be 28 February 2022 provided all official contract documents have been signed and that the contractor submit all required documents as per GCC clause 20.1. No work is permitted on the site before site handover.</p>
<p><b>Procedures for Disputes</b> <b>GCC 24</b></p>	<p>No Adjudicator shall be appointed under the contract and arbitration shall not apply. If any dispute arises between the Employer and the Contractor in connection with or arising out of the Contract, the parties shall seek to resolve any such dispute by amicable agreement, within 14 days after one party has notified the other in writing of the dispute, then the dispute shall be referred to court by either party.</p>
<p><b>Program</b> <b>GCC 25.1</b></p>	<p>The Contractor shall submit for approval a Program for the Works within <b><i>Two (2) working days</i></b> from the date of the Letter of Acceptance.</p>
<p><b>GCC 25.3</b></p>	<p>Program updates shall be submitted within <b><i>Three (3) working days</i></b> from the date of request by the Project Managers. The amount withheld for late submission of an updated program shall be 5% of the next payment certificate.</p>
<p><b>Defects Liability Period</b> <b>GCC 33.1</b></p>	<p>The Defects Liability Period is: <b><i>365 calendar days after practical completion</i></b></p>

<b>Payment Certificates GCC 39.7</b>	Payment shall be made as per progress of works <b>without payment for materials on and/or off site</b> . The Project Manager shall check the statement and certify the amount to be paid to the Contractor.
<b>Payments GCC 40</b>	The amount certified by the Project Manager shall be paid in full within <b>Thirty (30) calendar days</b> of receipt by the Employer of an invoice, supported by; a) The payment certificates; and b) A certificate of Completion of the Works.
<b>Adverse weather Conditions GCC 41.1 (I)</b>	Weather conditions under which normal project activities cannot be carried including winds, flooding, rainfall and associated resulting adversaries.
<b>Price adjustment GCC 44</b>	The contract <b>IS NOT</b> subject to price adjustment
<b>Retention GCC 45</b>	<b>The proportion of payments retained is ten (10) percent of the value of work and materials valued, until such time as the amount retained equals five (5) percent of the contract sum is retained excluding VAT.</b> Half of the retention money will be released after formal taking over of the Works by Employer and the remaining shall be released after the Defect Liability Period subject to the Contractor making good all defects
<b>Liquidated damages GCC 46.1</b>	The liquidated damages for the whole of the Works are <b>0,1% of the contract amount per calendar day to a maximum amount of 10% of contract amount</b>
<b>Bonus GCC 47.1</b>	<b>NO bonus</b> shall be paid to the contractor.
<b>Advance payment GCC 48.1</b>	i) <b>NO advance payment</b> shall be made
<b>Performing Security GCC 49.1</b>	i) A Performance Security in the form of a Bank Guarantee representing <b>10% of the Contract Amount</b> shall be required.
<b>GCC 56.1</b>	If required, the date by which operating, and maintenance manuals are required is <b>seven (7) calendar days</b> after Intended Completion.  If required, the date by which "as built" drawings are required is <b>seven (7) days</b> after Intended Completion.
<b>GCC 56.2</b>	The amount to be withheld for failing to produce "as built" drawings and /or operating and maintenance manuals by the date required in GCC 58.1 is <b>N\$20 000.00 excluding VAT</b>
<b>GCC 57.2 (g)</b>	The maximum number of days is <b>Fifteen (15) calendar days</b> .
<b>GCC 59.1</b>	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the works is <b>Twenty (20) percent</b>

**LOCAL SOURCING DECLARATION**

(Section 73 of Act)

(Regulation 37(5) and 56(2))

Date: .....

Bid No.: .....

To: .....

.....

[Insert complete name of Public Entity]

I/We\* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a local sourcing declaration by the bidders.

I/We\* accept that under section 45 of the Act, I/we\* may be suspended or disqualified in the event of-

- a) If found that the goods, works and services are found to be not meeting the local content and is not supplied by the suppliers based and operating from the 14 regions of Namibia, and where the goods are required
- b) I/We\* understand this local sourcing declaration ceases to be valid if I am/We are\* not the successful Bidder.

Signed:

.....

[Insert signature of person whose name and capacity are shown]

Capacity of: [indicate legal capacity of person(s) signing the local sourcing declaration]

Name:

.....

[Insert complete name of person signing the local sourcing declaration]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on ..... day of .....,..... [insert date of signing] Corporate Seal (where appropriate)

[Note\*: In case of a joint venture, the local sourcing declaration must be in the name of all partners to the joint venture that submits the bid.] \*delete if not applicable appropriate. Please accept the assurance of my highest consideration.

**QUOTATION CHECKLIST SCHEDULE**  
Procurement Reference No.: **W/RFQ/KRC-01/2022**

Description	Attached	Not attached
Valid certified copy (NAMPOL) of Company Registration Certificate		
Original valid Good or certified copy (NAMPOL) of Standing Tax Certificate		
Original valid good or certified copy (NAMPOL) of Social Security Certificate		
Valid certified copy (NAMPOL) of certificate indicating SME status (for Bids reserved for SMEs)		
Valid certified copy (NAMPOL) of Affirmative Action Compliance Certificate (refer to section I)		
Preference shall be given to SME bidders from Kunene Region where the goods are required. Therefore, attach a confirmation letter from the Councilor's Office (not older than two months) or fitness certificate from the Local Authority in Kunene Region.		
BID-Securing Declaration		
Undertaking to abide to the Namibian Labour Laws		
Quotation Letter		
Local Sourcing Declaration		
Priced activity schedules		
List of similar projects completed by the bidder		
Company Profile		
Any additional information ..... (specify)		

**Disclaimer:** *The list defined above is meant to assist the bidder in submitting the relevant documents and shall not be ground for the bidder to justify its non-submission of major documents for its quotation to be responsive. The onus remains on the bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.*

## **ANNEXURE A – ACTIVITY SCHEDULE**



**PROVISIONAL BILLS OF QUANTITIES**

**FOR**

**KUNENE REGIONAL COUNCIL**

**FOR**

**CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE -  
PHASE 1A: BOUDARY FENCING, IN KUNENE REGION,  
NAMIBIA**



**J&L**

**PROJECT CONSULTANTS**

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JANUARY 2022

**BILLS OF QUANTITIES**

**FOR**

**CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE – PHASE 1A:  
BOUNDARY FENCING SITUATED IN**

**KUNENE REGION, NAMIBIA**

**INDEX**

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Bill No. 1 Preliminaries	1/1 - 1/14
Bill No. 2 External works (Provisional)	2/1 – 2/14
<b>FINAL SUMMARY</b>	<b>3/1 – 3/1</b>

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b></p> <p><b><u>PRELIMINARIES</u></b></p> <p><b><u>NAMES OF PARTIES</u></b></p> <p><b><u>Employer</u></b></p> <p>Employer shall mean  <b>Kunene Regional Council</b>            Private Bag 502, Opuwo.            (Telephone No. 065-273950)            E-mail pmu@kunenerc.gov.na</p> <p><b><u>Project Manager</u></b></p> <p>Project Manager shall mean  <b>Lithon Project Consultants (Pty) Ltd</b>            PO Box 40902, Ausspannplatz, Windhoek.            Telephone No. 061- 250 278            E-mail valontino.james@lithon.com</p> <p><b><u>Architect</u></b></p> <p>Architect shall mean  <b>Prinsloo Loubser Architects Incorporated</b>            P.O Box 22111, Windhoek            Telephone No. 061-237162/83            E-mail lanel&amp;pla.com.na</p>			
<p><b>Carried to Collection</b></p> <p>Bill No. 1            PRELIMINARIES  <b>JURGENS LAUBSHER QUANTITY SURVEYORS</b>  <b>JANUARY 2022</b></p>		<p>N\$</p>	

A **Quantity Surveyor**

Quantity Surveyor shall mean  
**Jurgens Laubsher Quantity Surveyors Incorporated**  
 PO Box 81643, Olympia, Windhoek.  
 Telephone No. 081366 8101  
 E-mail ntando@jlqs.com.na

**Consulting Structural Engineers**

Consulting Engineers shall mean  
**Lithon Project Consultants (Pty) Ltd**  
 PO Box 40902, Ausspannplatz, Windhoek.  
 Telephone No. 061- 250 278  
 E-mail valentino.james@lithon.com

Contractor

Contractor shall mean the successful bidder appointed by the Employer, who shall execute the Works described in these Bills of Quantities.

Item

**NOTES**

- i) The General Conditions of Contract under section six of the Public Procurement Act, 2015 shall be the form approved and recommended by the Ministry of Finance, Namibia Institute of Architects, the Institute of Namibian Quantity Surveyors and the Construction Industry Federation of Namibia.
- ii) The Model Preliminaries as recommended and published by the Institute of Namibian Quantity Surveyors, 2016 edition and shall be deemed to be incorporated herein.

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N\$

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**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

- iii) Bidders are referred to the above mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary.
- iv) Where standard clauses or alternatives are not applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading.
- v) Where N/A appears opposite any clause, such clause as detailed in the standard documents referred to is NOT APPLICABLE to this contract.
- vi) Where the designation "Architect" and "Principal Agent" is mentioned in the Model Preliminaries document, and in the items detailed below, it shall be deemed to refer to the "Project Manager".

**SECTION A : GENERAL CONDITIONS OF CONTRACT**

**A. GENERAL**

A	Clause 1: Definitions	Item
B	Clause 2: Interpretation	Item
C	Clause 3: Language and Law	Item
D	Clause 4: Project Manager's Decisions	Item
E	Clause 5: Delegation	Item
F	Clause 6: Communications	Item

Carried to Collection

N\$

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 JANUARY 2022

CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE, KUNENE REGION  
 PHASE 1A: BOUNDARY FENCE

A	Clause 7: Subcontracting	Item	
B	Clause 8: Other Contractors	Item	
C	Clause 9: Personnel and Equipment	Item	
D	Clause 10: Employer's and Contractor's Risks	Item	
E	Clause 11: Employer's Risks	Item	
F	Clause 12: Contractor's Risks	Item	
G	Clause 13: Insurance	Item	
H	Clause 14: Site Data	Item	
J	Clause 15: Contractor to Construct the Works	Item	
K	Clause 16: The Works to be Completed by the Intended Completion Date	Item	
L	Clause 17: Approval by the Project Manager	Item	
M	Clause 18: Safety	Item	
N	Clause 19: Discoveries	Item	
P	Clause 20: Possession of the Site	Item	
Q	Clause 21: Access to the Site	Item	
R	Clause 22: Instructions	Item	
S	Clause 23: Appointment of Adjudicator	Item	
T	Clause 24: Procedure of Disputes	Item	
	<b>Carried to Collection</b>		N\$
	Bill No. 1 PRELIMINARIES JURGENS LAUBSHER QUANTITY SURVEYORS JANUARY 2022		

**B. TIME CONTROL**

A	Clause 25: Program	Item
B	Clause 26: Extension of Intended Completion Date	Item
C	Clause 27: Acceleration	Item
D	Clause 28: Delays Ordered by the Project Manager	Item
E	Clause 29: Management Meetings	Item
F	Clause 30: Early Warning	Item

**C. QUALITY CONTROL**

G	Clause 31: Identifying Defects	Item
H	Clause 32: Tests	Item
J	Clause 33: Correction of Defects	Item
K	Clause 34: Uncorrected Defects	Item

**D. COST CONTROL**

L	Clause 35: Contract Price	Item
M	Clause 36: Changes in the Contract Price	Item
N	Clause 37: Variations	Item
P	Clause 38: Cash Flow Forecasts	Item
Q	Clause 39: Payment Certificates	Item
R	Clause 40: Payments	Item

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A	Clause 41: Compensation Events	Item	
B	Clause 42: Tax	Item	
C	Clause 43: Currencies	Item	
D	Clause 44: Price Adjustment	Item	
E	Clause 45: Retention	Item	
F	Clause 46: Liquidated Damages	Item	
G	Clause 47: Bonus	Item	
H	Clause 48: Advance Payment	Item	
J	Clause 49: Securities	Item	
K	Clause 50: Dayworks	Item	
L	Clause 51: Cost of Repairs	Item	
M	Clause 52: Labour Clause	Item	
	<b><u>E. FINISHING THE CONTRACT</u></b>		
N	Clause 53: Completion	Item	
P	Clause 54: Taking Over	Item	
Q	Clause 55: Final Account	Item	
R	Clause 56: Operating and Maintenance Manuals	Item	
S	Clause 57: Termination	Item	
	<b>Carried to Collection</b>		N\$
	Bill No. 1 PRELIMINARIES JURGENS LAUBSHER QUANTITY SURVEYORS JANUARY 2022		



A	Clause 58: Fraud and Corruption	Item	
B	Clause 59: Payment Upon Termination	Item	
C	Clause 60: Property	Item	
D	Clause 61: Release of Performance	Item	
<b><u>SECTION B : SUPPLEMENTARY DOCUMENTATION</u></b>			
Note:			
<p>The Model Preliminaries shall be the 2016 edition of the Model Preliminaries recommended and published by the Institute of Namibian Quantity Surveyors, in consultation with the Construction Industries Federation (Namibia) and the Institute of Namibian Architects and shall be deemed to be incorporated herein wherever applicable.</p> <p>The Contractor is referred to the above mentioned document for the full description, intent and meaning of the following clauses and he must allow opposite each clause or in his rates generally for any costs in which he may be involved in executing the Works in accordance with the said Model Preliminaries.</p> <p>This document can be viewed at the offices of the Quantity Surveyor during normal office hours.</p> <p>Wherever the wording "Architect" and "Principal Agent" appears in the Model Preliminaries, the same shall be deemed to mean or "Project Manager"</p>			
<b>Carried to Collection</b>		N\$	
<p>Bill No. 1 PRELIMINARIES JURGENS LAUBSHER QUANTITY SURVEYORS JANUARY 2022</p>			

**B4: Materials and workmanship**

**A B4.1: Samples of materials**

The Contractor shall furnish at his own cost such samples of materials and specimens of colours as may be called for by the Project Manager for his approval

Item

**B B4.2: Samples of workmanship and mockups**

The Contractor shall furnish such samples of workmanship as may be called for by the Project Manager for his approval.  
Where an assembly of various elements of the buildings is required, which is not incorporated in the works, this shall be arranged by the contractor. Any cost involved shall be borne by the employer

Item

**C B4.3: Ordering of materials**

Should the Bills of Quantities be used for ordering materials, this shall be entirely at the contractor's risk.

Item

**B5: Temporary works and plant**

**D B5.2: Enclosure of works**

The Contractor shall provide, erect, alter as necessary, maintain and remove and make good at completion suitable hoardings complete with gantries, fans, safety screens, barriers, access gates, covered gangways, steel sections at crane lifts, splayed corners, returned ends, etc., all as necessary for the enclosure of the works and the protection of the general public and others.

Item

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**N\$**

Bill No. 1  
PRELIMINARIES  
**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

A	<p><b>B5.3: Pavement crossings and parking meters</b></p> <p>The Contractor shall pay and recover all deposits and pay all fees and charges in connections with and/or obtain permission for the suspension of parking facilities and for pavement or street encroachment and or crossings and the removal and eventual reinstatement of any local authority's parking meters.</p>	Item	
B	<p><b>B5.4: Advertising</b></p>	Item	
C	<p><b>B5.6: Special scaffolding</b></p> <p>The Contractor shall provide, maintain and remove on completion special scaffolding for areas exceeding 5m above floor level, for the use of all trades, as defined under the "Description of the Works".</p> <p>No special scaffolding is measured as these bills of quantities are based on the seventh edition of the Standard System for Measuring Building Work.</p>	Item	
D	<p><b>B5.7: Contractor's offices and sheds</b></p> <p>The Contractor shall provide and maintain temporary sheds and offices for the proper storage of materials and for the use of the workmen and shall remove such temporary sheds and offices on completion.</p> <p>Under NO circumstances may any of the existing or new buildings at any stage be used for temporary accommodation for workers, contractor's offices or the storage of materials.</p>	Item	
<p><b>Carried to Collection</b></p>		<p>N\$</p>	

Bill No. 1  
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 JURGENS LAUBSHER QUANTITY SURVEYORS  
 JANUARY 2022

**CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE, KUNENE REGION  
PHASE 1A: BOUNDARY FENCE**

A	<p><b>B5.8: Offices</b></p> <p>The Contractor shall provide, maintain and remove on completion office accommodation for meetings held on site. The office shall be provided with tables and chairs sufficient for the maximum number of persons attending meetings and shall be kept clean.</p>	Item	
B	<p><b>B5.10 Main Noticeboard</b></p> <p>One noticeboard complying with the requirements of the Namibia Institute of Architects is required. The lettering shall be in English to the Project Manager's approval and shall include the crests of the relevant professional institutes and associations.</p>	Item	
<p><b><u>B6: Temporary services</u></b></p>			
C	<p><b>B6.1: Water</b></p> <p>The Contractor shall provide water for the works, including all necessary temporary plumbing, removing same and making good on completion.</p>	Item	
D	<p><b>B6.2: Electricity and lighting</b></p> <p>The Contractor shall provide all necessary electricity and artificial lighting for the works, including all necessary temporary installation work, removing same and making good on completion.</p>	Item	
E	<p><b>B6.3: Telephones</b></p> <p>The Contractor shall provide, maintain and remove on completion a PT telephone on site for use by all persons engaged upon the works and shall be entitled to recover the cost of outgoing calls from those making them.</p>	Item	
<p><b>Carried to Collection</b></p>			<p><b>N\$</b></p>
<p>Bill No. 1 PRELIMINARIES <b>JURGENS LAUBSHER QUANTITY SURVEYORS JANUARY 2022</b></p>			

A	<p><b>B6.4: Toilets</b></p> <p>The Contractor shall provide, maintain in a thoroughly clean and tidy condition, proper toilets for the use of the workmen and remove the same on completion.</p>	Item		
	<p><u>B8: Financial aspects</u></p>			
B	<p><b>B8.3: Payment of preliminaries</b></p> <p>Payment of preliminaries will be calculated from the priced items within the preliminaries in accordance with alternative B.</p>	Item		
C	<p><b>B8.4: Adjustment of preliminaries</b></p> <p>The adjustment of preliminaries will be on the basis of fixed price, value related and time related items in accordance with method 2</p>	Item		
	<p><u>B9: General</u></p>			
D	<p><b>B9.1: Protection</b></p>	Item		
E	<p><b>B9.2: Protection of existing and/or partially occupied works</b></p>	Item		
F	<p><b>B9.4: Site security</b></p>	Item		
G	<p><b>B9.5: Notice before covering work</b></p>	Item		
H	<p><b>B9.6: Disturbance</b></p>	Item		
J	<p><b>B9.7: Clearing and cleaning</b></p> <p>The Contractor shall ensure that all areas are kept clean and dust-free at all times.</p>	Item		
	<p><b>Carried to Collection</b></p>			N\$
	<p>Bill No. 1 PRELIMINARIES JURGENS LAUBSHER QUANTITY SURVEYORS JANUARY 2022</p>			

A	<b>B9.8: Vermin</b>	Item	
<b><u>SECTION C : SPECIFIC PRELIMINARIES</u></b>			
B	<b>Workmen's Compensation Insurance</b>		
<p>The Contractor, domestic sub-contractors and selected non-nominated sub-contractors shall insure workmen in terms of the Employee Compensation Act 5 of 1995.</p> <p>Persons not falling under the above mentioned Act must be insured under individual Personal Accident Insurance policies to the satisfaction of the Project Manager.</p>			
C	<b>Open Fires</b>	Item	
<p>No open fires will be permitted except in such places as are approved by the Project Manager. Any workmen or labourers lighting fires in unauthorised places are to be immediately dismissed.</p>			
D	<b>Blasting</b>	Item	
<p>The Contractor shall take all responsibility during blasting operations, should any be necessary, and must observe all conditions set forth in Government and Local Authority Regulations. The use of explosives is left to the discretion of the Contractor who must indemnify the Employer against any claims for damages to persons or property on or near the site from any cause whatsoever arising out of the use of explosives. The Contractor will be held solely responsible for and must immediately make good, at his own expense, any damage that may occur through the use of explosives.</p>			
<b>Carried to Collection</b>			N\$
<p>Bill No. 1 PRELIMINARIES JURGENS LAUBSHER QUANTITY SURVEYORS JANUARY 2022</p>			

A	<p><b>As built drawings</b></p> <p>The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the architect and the structural engineer for their records.</p> <p>If required, the Contractor shall furnish the Architect with a set of marked drawings indicating the positions of all plumbing and drainage pipework as actually built.</p>	Item		
B	<p><b>Protection of trees</b></p> <p>Only those trees as are indicated by the Project Manager shall be removed. All other trees are to be protected during the building operations and no workmen may damage these trees in any way. The Contractor is to note that some trees may occur within the area of building operations. Before removing such trees, the Contractor is to obtain specific instructions from the Project Manager as whether such trees may be removed or not.</p>	Item		
<b>Carried to Collection</b>			N\$	

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 JURGENS LAUBSHER QUANTITY SURVEYORS  
 JANUARY 2022

Bill No. 1 PRELIMINARIES <u>COLLECTION</u>			
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<b>Carried to Summary</b>			N\$
Bill No. 1 PRELIMINARIES <b>JURGENS LAUBSHER QUANTITY SURVEYORS</b> <b>JANUARY 2022</b>			



Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 2</u></b>			
	<b><u>EXTERNAL WORKS (PROVISIONAL)</u></b>			
	<b><u>NOTES:</u></b>			
	1. The Bidder is advised to refer to Trade Preambles before pricing this Bill.			
	2. The nature of the ground to be excavated is believed to be earth with gravel, mica schist and rock. Despite this statement, the responsibility is on the Bidder to satisfy himself as to the nature of the ground conditions to be excavated and to allow accordingly in his prices.			
	3. The Bidder is advised that his prices for articles described by trade names or catalogue references must be based on the type and manufacture as specified and any other equivalent articles may only be used subject to written approval being obtained from the Project Manager.			
	-----			
	<b><u>THE FOLLOWING IN WORK TO SITE CLEARANCE</u></b>			
	<b><u>Site clearance</u></b>			
A	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	2,351	
	<b>Carried to Collection</b>		N\$	
	Bill No. 2 EXTERNAL WORKS (PROVISIONAL) JURGENS LAUBSHER QUANTITY SURVEYORS JANUARY 2022			

<u>Cutting down and removing, grubbing up roots and filling in holes</u>			
A	Tree exceeding 200mm and not exceeding 500mm girth	No	Rate Only
B	Tree exceeding 500mm and not exceeding 1000mm girth	No	Rate Only
C	Tree exceeding 1000mm and not exceeding 2000mm girth	No	Rate Only
<b><u>THE FOLLOWING IN WORK TO FENCING AND GATE</u></b>			
<b><u>Earthworks</u></b>			
<b><u>Excavate in "earth" not exceeding 2m deep below average natural ground level (backfilling or carting away surplus material elsewhere) for:</u></b>			
D	Trench for strip footing, ground beam, thickening to surface bed, etc.	m3	22
E	Hole for column base, pile cap, etc.	m3	8
<b><u>Extra over excavation in earth for excavation in</u></b>			
F	Soft rock (the use of jack hammers is necessary)	m3	3
G	Hard rock (blasting is necessary)	m3	2
<b><u>Cart away</u></b>			
H	Extra over all excavations for loading and carting away surplus excavated material to a suitable dumping ground to be located by the Contractor	m3	24
<b>Carried to Collection</b>			N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

<u>Risk of collapse to side of excavation in "earth" not exceeding 1,5m deep starting from average natural, reduced or consolidated filled ground level, for:</u>				
A	Trenches and holes	m2	185	
<u>Keep excavations free from water</u>				
B	Allow for keeping excavations free from water		Item	
<u>Backfilling to trenches, holes, etc.</u>				
C	Selected material obtained from excavations and spread, level, water and compact to not less than 95% of the modified AASHTO maximum density in layers not exceeding 150mm and trim to level	m3	6	
<u>Soilcrete backfilling comprising 5% cement and 95% approved materials from the excavations</u>				
D	Soilcrete backfilling to trenches, holes, etc under footings, bases, etc	m3	6	
<u>Filling under floors, steps, paving, etc.</u>				
E	Selected "G5" material supplied by the Contractor and spread, level, water and compact to not less than 95% of the modified AASHTO maximum density in layers not exceeding 150mm and trim to level	m3	1	
<u>Compaction</u>				
F	Scarify top surface of existing formation to a depth of 150mm and compact to not less than 95% of the modified AASHTO maximum density, to receive footings, etc.	m2	60	
Carried to Collection				N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
 JURGENS LAUBSHER QUANTITY SURVEYORS  
 JANUARY 2022

CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE, KUNENE REGION  
 PHASE 1A: BOUNDARY FENCE

A	Scarify top surface of existing formation to a depth of 150mm and compact to not less than 95% of the modified AASHTO maximum density, to paving, etc.	m2	5	
	<b><u>Soil insecticide</u></b>			
B	Loosen top surface of excavation or filling under foundation footings for a depth of 50mm, including forming V-grooves, level and dose uniformly with approved insecticide solution, including raking over to ensure an even distribution and recompact	m2	233	
C	Loosen top surface of excavation or filling under pavings for a depth of 50mm, level and dose uniformly with approved insecticide solution, including raking over to ensure an even distribution and recompact	m2	5	
	<b><u>Concrete, Formwork and Reinforcement</u></b>			
	<b><u>Concrete</u></b>			
	<u>Grade 25Mpa/19mm unreinforced concrete in:</u>			
D	Footing, cast against excavated surface	m3	2	
E	Ground beam and edging, cast against excavated surface	m3	9	
F	Column base, cast against excavated surface	m3	8	
	<b><u>Concrete sundries</u></b>			
G	Create groove or recess size 150mm wide x 100mm deep in top of concrete	No	40	
	<b>Carried to Collection</b>			N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
 JURGENS LAUBSHER QUANTITY SURVEYORS  
 JANUARY 2022

A	Supply and cast bottom track to sliding gate formed of IPEaa 100 steel section beam, cast into top of concrete ground beam in exact position complete	m	10		
	<b><u>Formwork</u></b>				
	<u>Rough formwork to:</u>				
B	Edge, riser, end or reveal not exceeding 300mm high or wide	m	420		
	<b><u>Reinforcement</u></b>				
	<u>Plain round and deformed mild steel bar reinforcement, including hoisting or lowering and fixing in position complete</u>				
C	8 - 20mm Diameter rods, stirrups, etc in concrete	kg	127		
	<b><u>Fabric reinforcement having a surface that is plain, indented or otherwise deformed (measured nett)</u></b>				
D	Welded steel fabric ref. 193	m <sup>2</sup>	7		
	<b><u>Precast concrete</u></b>				
	<b><u>60mm Thick 35MPa concrete interlocking pavers bedded on and including 20mm thick bed of approved sand, butt-jointed and flush pointed with approved sand, brushed in as the work proceeds</u></b>				
E	Paving laid to slight falls	m <sup>2</sup>	5		
F	Extra over paving for filling irregularities at edge of paving in 1:3 cement mortar, including trowelling smooth with a steel trowel	m	16		
	<b>Carried to Collection</b>				N\$

	<u>Precast concrete road kerbs and channels finished smooth on exposed surfaces laid on and including 400 x 100mm unreinforced mass concrete continuous bedding with haunchings behind each joint including excavation, backfilling, etc</u>			
A	Mountable road kerb size 300mm x 150mm high	m	7	
	<b><u>Masonry</u></b>			
	<u>Brickwork in 73mm solid concrete masonry units having a compressive strength of 14MPa in Class II cement mortar in:</u>			
B	One-brick walls	m2	11	
	<u>Brickwork in 73mm solid concrete masonry units having a compressive strength of 7MPa in Class II cement mortar in:</u>			
C	One-brick wall	m2	23	
	<b><u>Brickwork reinforcement</u></b>			
D	Steel fabric 150mm wide in foundations	m	82	
E	Steel fabric 150mm wide	m	70	
	<b><u>Metalwork</u></b>			
	<u>The following in welded mild steel to minor steel work</u>			
F	Top track to sliding gate formed of 15mm diameter solid steel round bar welded above steel IPE beam (steel beam elsewhere) complete, all as per Architect drawing No. 2133-000 and 2133-100	m	10	
	<b>Carried to Collection</b>			
				N\$

A	Rectangular hollow section post size 50mm x 25mm x 3mm thick plugged and screwed to brickwork at 500mm centres complete, all as per Architect drawing No. 2133-000 and 2133-100	m	4	
B	Rectangular hollow section post size 100mm x 100mm x 5mm thick plugged and screwed to brickwork at 500mm centres complete, all as per Architect drawing No. 2133-000 and 2133-100	m	2	
<b><u>The following in welded mild steel sliding gate</u></b>				
C	Electronically operated sliding gate (electric motor by others) size 5200mm x 2185mm high overall formed of 50mm x 100mm x 3mm thick rectangular hollow section outer frame with four 40mm x 40mm x 2mm thick square hollow section vertical intermediate support and filled in with thirty 50mm x 5mm thick flat vertical bars at approximately 16mm centres, all framed and welded together, with and including two heavy duty steel wheels complete with axle and welded to bottom horizontal framing with necessary reinforcement plate and filler pieces, etc, all as per Architect drawing No. 2133-000 and 2133-100	No	1	
D	Gate stop comprising of 10mm thick flat bar welded above solid steel round bar (round bar elsewhere measured), all as per Architect drawing No. 2133-000 and 2133-100	No	1	
E	Gate stop comprising of 200mm x 70mm x 5mm thick flat base plate holed twice and bolted to brickwork with two 12mm rawl bolts and including 110mm x 70mm x 5mm flat bar anchor plate welded to base plate, all as per detail 08 on Architect drawing No. 2133-000 and 2133-100	No	1	
<b>Carried to Collection</b>				N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE, KUNENE REGION

PHASE 1A: BOUNDARY FENCE

A	Roller guide bracket formed of 315mm x 100mm x 10mm plate four times holed and bolted to wall with and including four 12mm rawl bolts and two 12mm diameter bolt 75mm long with two 40mm x 35mm PVC roller guide attached, including washer, nut and locking nut, etc, all as per detail 01 on Architect drawing No. 2133-000 and 2133-100	No	1	
B	End gate catch comprising of two U-shaped channel bent three times to form catch size 100mm x 75mm x 100mm x 100mm high x 6mm thick flat plate including rubber buffer, and welded to vertical anchor post (post elsewhere), all as per detail 06 on Architect drawing No. 2133-000 and 2133-100	No	1	
C	End gate catch comprising of two U-shaped channel bent three times to form catch size 100mm x 75mm x 100mm x 100mm high x 6mm thick flat plate including rubber buffer, and holed four times and bolted to brickwork including 12mm rawl bolts, all as per detail 07 on Architect drawing No. 2133-000 and 2133-100	No	1	
D	Gate lock comprising of flat bar size 100mm x 50mm x 10mm thick holed once for 20mm diameter lock welded to vertical frame (frame elsewhere), and including 220mm x 30mm x 5mm thick flat bar holed once for 20mm diameter lock welded to vertical anchor post (post elsewhere), all as per detail 06 on Architect drawing No. 2133-000 and 2133-100	No	1	
<b>Carried to Collection</b>				N\$
Bill No. 2 EXTERNAL WORKS (PROVISIONAL) <b>JURGENS LAUBSHER QUANTITY SURVEYORS</b> <b>JANUARY 2022</b>				



	<b><u>The following in welded mild steel pedestrian gates</u></b>			
A	Pedestrian gate size 1040mm wide x 2200mm high overall formed of 100mm x 50mm x 3mm thick rectangular hollow section framing all round and filled in with thirty 50mm x 5mm thick flat vertical bars at approximately 16mm centres, all framed and welded together, the gate fitted with and including three 100mm long heavy duty weld-on hinges and hung to door frame (frame elsewhere), gate prepared to receive and including "Dorma" narrow stile cylinder deadlock, all as per Architect drawing No. 2133-000 and 2133-100	No	1	
	<b><u>The following in welded mild steel service gates including two coats silver aluminium paint</u></b>			
B	Double gate size 6206mm x 1800mm high overall with 450mm long 45° overhang, with razor wires (razor wires elsewhere) and covered with razor mesh (razor mesh elsewhere), with and including four suitable eye-bolt hinges, 16mm diameter galvanised dropbolts, two 3mm diameter round bar welded to frame, and 10mm locking chain with 60mm "Viro" lock fixed in position complete as per Engineers drawing P2684-CF-010 REV B	No	1	
C	25MPa concrete base size 200mm x 200mm x 200mm deep having 25mm diameter pipe sleeve for drop bolt including excavations, backfilling, etc, complete	No	1	
	<b>Carried to Collection</b>			N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

<u>Security fencing including two coats silver aluminium paint on metal posts, stays, framing, etc</u>			
A	Mild steel intermediate straining post size 76mm diameter x 2.5mm thick and 2700mm high vertically having 450mm long 45° overhang to one side capped with 76mm end plate, with and including 10mm diameter anchor pin 300mm long through post and 150mm x 150mm x 5mm thick baseplate welded to the bottom of post, base plate having a 40mm diameter opening, post drilled through eight times for straining and razor wires, and cast 850mm deep into concrete footing (footing elsewhere) complete as per Engineers drawing number P2684-CF-010 REV B	No	2
B	Mild steel intermediate post size 48mm diameter x 2.5mm thick and 2450mm high vertically having 450mm long 45° overhang to one side capped with 48mm end plate, with and including 10mm diameter anchor pin 200mm long through post and 100mm x 100mm x 5mm thick baseplate welded to the bottom of post, base plate having a 40mm diameter opening, post drilled through eight times for straining and razor wires, and post cast 600mm deep into concrete footing (footing elsewhere) complete as per Engineers drawing number P2684-CF-010 REV B	No	69
<b>Carried to Collection</b>			N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

A	Mild steel corner post size 101mm diameter x 3.0mm thick and 2700mm high vertically having 450mm long 45° overhang to one side capped with 101mm end plate, with and including 110mm diameter anchor pin 300mm long through post and 200mm x 200mm x 5mm thick baseplate welded to the bottom of post, base plate having a 40mm diameter opening, post drilled through eight times for straining and razor wires, and post cast 850mm deep into concrete footing (footing elsewhere) complete as per Engineers drawing number P2684-CF-010 REV B	No	10	
B	Mild steel corner straining post size 101mm diameter x 3.0mm thick and 2700mm high vertically having 450mm long 45° overhang to one side capped with 101mm plate, with and including 110mm diameter anchor pin 300mm long through post and 200mm x 200mm x 5mm thick baseplate welded to the bottom of post, base plate having a 40mm diameter opening, post drilled through eight times for straining and razor wires, and post cast 850mm deep into concrete footing (footing elsewhere) complete as per Engineers drawing number P2684-CF-010 REV B	No	16	
C	Mild steel horizontal stay size 48mm diameter x 2,5mm thick and 1900mm long having 100mm long 90° flattened ends on both sides, both ends holed once for bolts and bolted to post with 12mm stay bolts complete as per Engineers drawing number P2684-CF-010 REV B	No	16	
<b>Carried to Collection</b>				N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE, KUNENE REGION  
 PHASE 1A: BOUNDARY FENCE

A	Mild steel inclined stay size 48mm diameter x 2,5mm thick and approximately 2750mm long, bottom end closed off with 100mm x 100mm x 4mm base plate having 40mm diameter opening and other end bent, flattened, holed once for bolts and bolted to post with 12mm stay bolts and including 10mm diameter anchor pin 300mm long through stay and cast into concrete footing (footing elsewhere) complete as per Engineers drawing number P2684-CF-010 REV B	No	20	
B	Extra over for razor mesh cladding to vertical face of fencing comprising of 2,7mm thick high tensile galvanised core combined with a 0,5mm galvanised blade strip welded at each intersection and having 150mm x 300mm high openings and tied to posts and straining wires with 1,6mm thick binding wire and cast 50mm deep into concrete edging strip (edging strip elsewhere) complete as per Engineers drawing number P2684-CF-010 REV B	m2	361	
C	Extra over for razor wire formed of 2,5mm high tensile galvanised core wire with 0,6mm thick galvanised steel blades and fixed to top of security fencing complete as per Engineers drawing number P2684-CF-010 REV B	m	602	
D	Galvanised high tensile steel straining wires size 2.24mm diameter and tied to posts with and including 1.6mm binding wire, complete as per Engineers drawing number P2684-CF-010 REV B	m	1,003	
<b><u>Plastering</u></b>				
<b><u>One coat cement plaster finished smooth with a wood float, on:</u></b>				
E	Brick wall, including flush columns and beams	m2	50	
<b>Carried to Collection</b>				N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
 JURGENS LAUBSHER QUANTITY SURVEYORS  
 JANUARY 2022

OUR REF: JL024  
**CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE, KUNENE REGION**  
**PHASE 1A: BOUNDARY FENCE**

A	Narrow widths, not exceeding 300mm wide	m2	4	
B	30mm (Average) Thick weathered coping to top of one-brick wall	m	9	
	<b><u>Paintwork</u></b>			
	<u>One coat "Dulux trade" ecosure plaster primer on two finishing coats "Dulux Weatherguard" ultra smooth exterior quality acrylic PVA paint, on:</u>			
C	External plastered wall, including columns, etc.	m2	57	
	<u>Degrease with white spirit, apply one coat waterbased metal primer, and apply two finishing coats "Dulux gloss enamel" high gloss paint on:</u>			
D	Gates, etc. (both side measured over total flat area)	m2	27	
	<b>Carried to Collection</b>			N\$

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

CONSTRUCTION OF OKANGUATI SETTLEMENT OFFICE, KUNENE REGION  
 PHASE 1A: BOUNDARY FENCE

Bill No. 2			
EXTERNAL WORKS (PROVISIONAL)			
<b><u>COLLECTION</u></b>			
	<b>Page No</b>		<b>Amount</b>
Total Brought Forward .....	2/1		
Total Brought Forward .....	2/2		
Total Brought Forward .....	2/3		
Total Brought Forward .....	2/4		
Total Brought Forward .....	2/5		
Total Brought Forward .....	2/6		
Total Brought Forward .....	2/7		
Total Brought Forward .....	2/8		
Total Brought Forward .....	2/9		
Total Brought Forward .....	2/10		
Total Brought Forward .....	2/11		
Total Brought Forward .....	2/12		
Total Brought Forward .....	2/13		
<b>Carried to Summary</b>		N\$	

Bill No. 2  
 EXTERNAL WORKS (PROVISIONAL)  
**JURGENS LAUBSHER QUANTITY SURVEYORS**  
**JANUARY 2022**

Bill No		Page No	Amount
<b><u>FINAL SUMMARY</u></b>			
1	PRELIMINARIES	1/14	
2	EXTERNAL WORKS (PROVISIONAL)	2/14	
	Sub-total		N\$
<b><u>CONTINGENCIES</u></b>			
	Provide the sum of N\$ 60,000.00 (sixty thousand Namibia Dollars only) for contingencies to be expended as directed by the Project Manager and to be deducted in whole or in part if not required.	Item	60,000.00
	Total Nett Amount		N\$
	ADD: VALUE ADDED TAX (15%)		N\$
	Carried to Section IV - Priced Activity Schedule		N\$
	<b>JURGENS LAUBSHER QUANTITY SURVEYORS</b>		
	<b>JANUARY 2022</b>		

## **ANNEXURE B - DRAWINGS**



**NOTES:**

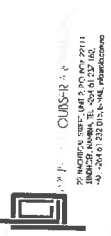
1. ALL DIMENSIONS TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

**LEGEND**

CSP	CONCRETE STRAPPING POST AS PER DRAWING
MSP	MESH STRAPPING POST AS PER DRAWING
EP	EXTERNAL ELECTRICAL ENCLOSURE

NO.	REVISIONS	DATE

DATE: 27/01/2023  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 APPROVED BY: [Name]



**TENDER DOCUMENTATION (TD)**

QUANTITY SURVEYOR  
**J&L PROJECT CONSULTANTS**  
 100, WEST STREET, MADRAS, TAMIL NADU, INDIA  
 TEL: 094433 22013, 094433 22014  
 FAX: 094433 22015, 094433 22016  
 EMAIL: jandl@jandl.com

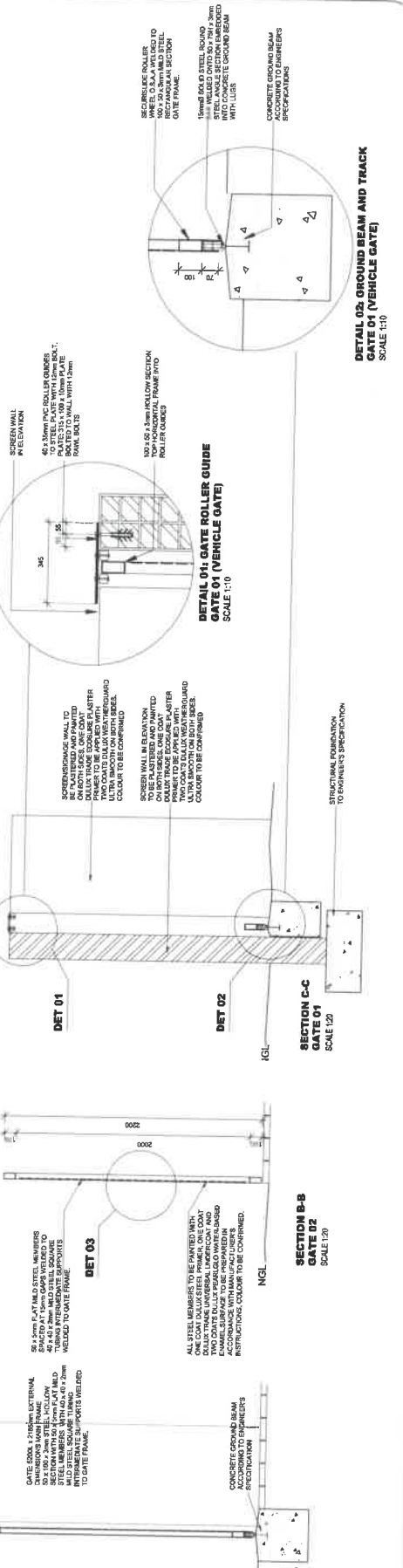
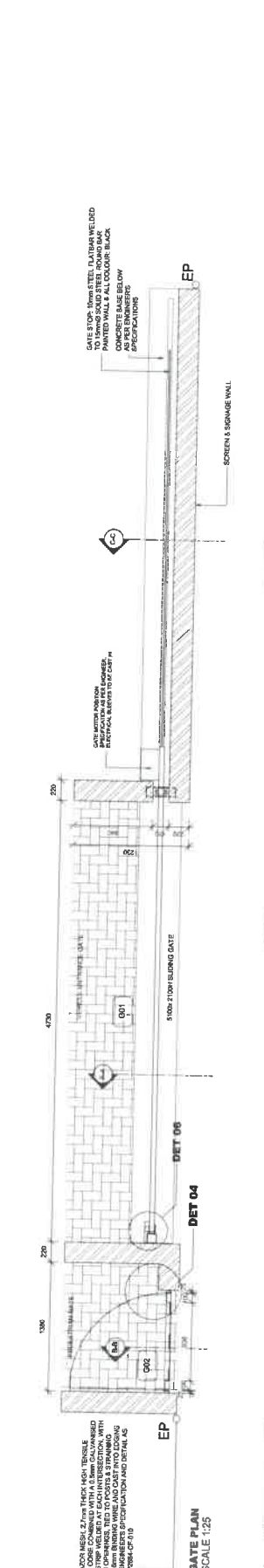
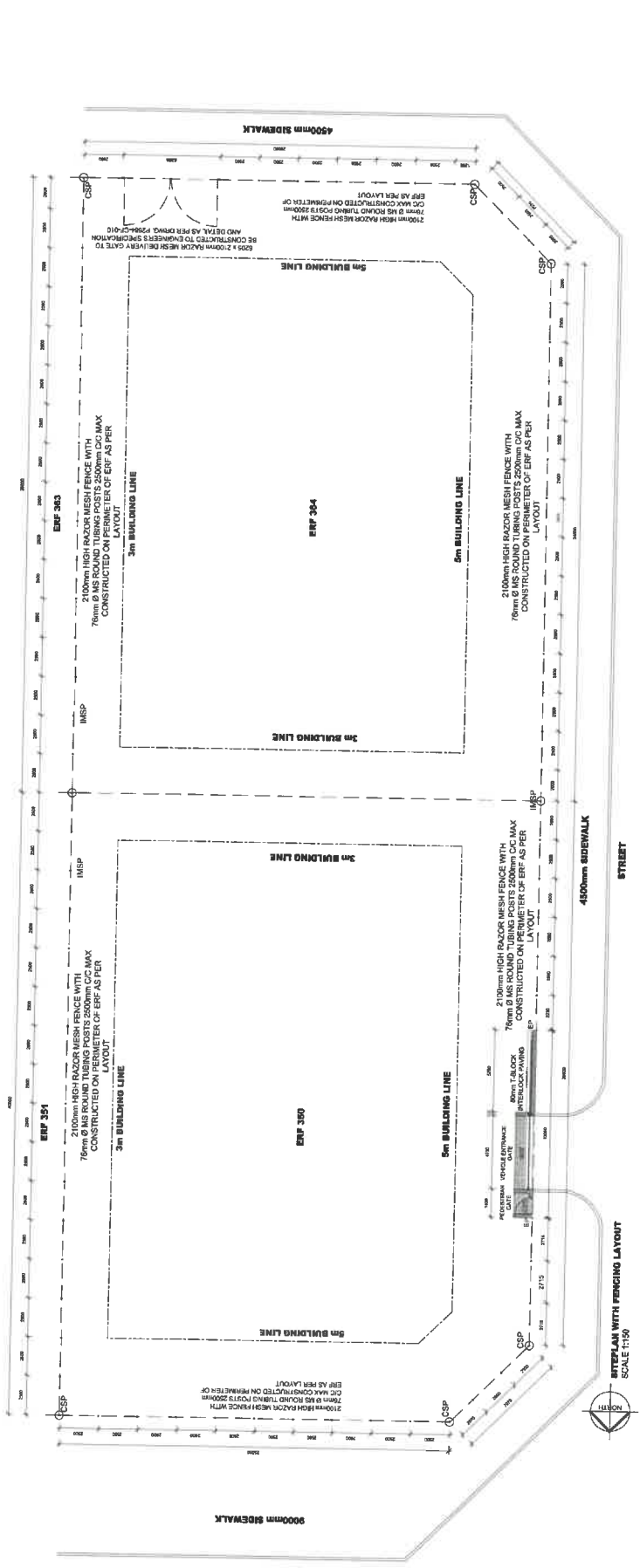
PROJECT CONSULTANTS  
**Lithion Project Consultants**  
 100, WEST STREET, MADRAS, TAMIL NADU, INDIA  
 TEL: 094433 22013, 094433 22014  
 FAX: 094433 22015, 094433 22016  
 EMAIL: lithion@lithion.com

MECHANICAL & ELECTRICAL ENGINEER  
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 FAX: 094433 22015, 094433 22016  
 EMAIL: lithion@lithion.com

PROJECT TITLE:  
**CONSTRUCTION OF THE NEW OKANGUATI SETTLEMENT OFFICE**

DRAWING TITLE:  
**SITE PLAN WITH FENCING LAYOUT**

SCALE: AS INDICATED  
 DATE: 27 JAN 2023  
 CONSULTANT DRAWING NO.: 2133-000



**NOTES:**

ALL DIMENSIONS TO BE OBTAINED UNLESS PRIOR TO THE DATE OF ISSUE. ALL DIMENSIONS TO BE CONFIRMED TO THE ARCHITECT IMMEDIATELY.

1. 10mm HIGH FACTOR MESH, 2.7mm THICK HIGH TENSILE GALVANISED CORE COMBINED WITH A 4.5mm GALVANISED 200x100 OPENINGS, TIED TO POSTS & STRAINING WIRE WITH 100mm WELDCON HINGERS. SEE ENGINEER'S SPECIFICATION AND DETAIL AS PER DRAWING P208AC-010

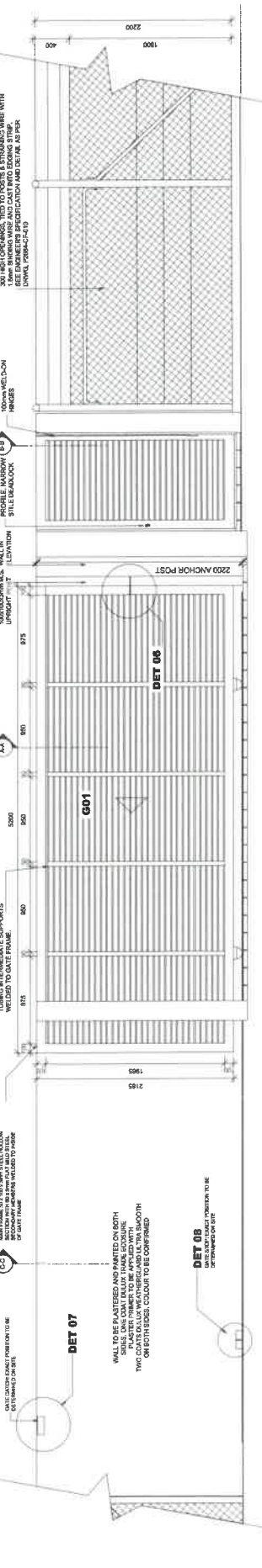
WALL TO BE PAINTED AND FINISHED ON BOTH SIDES. ONE COAT DULUX TRADE COLOUR. TWO COATS DULUX WEATHERGUARD ULTRA SMOOTH ON BOTH SIDES. COLOUR TO BE CONFIRMED.

WALL TO BE PAINTED AND FINISHED ON BOTH SIDES. ONE COAT DULUX TRADE COLOUR. TWO COATS DULUX WEATHERGUARD ULTRA SMOOTH ON BOTH SIDES. COLOUR TO BE CONFIRMED.

WALL TO BE PAINTED AND FINISHED ON BOTH SIDES. ONE COAT DULUX TRADE COLOUR. TWO COATS DULUX WEATHERGUARD ULTRA SMOOTH ON BOTH SIDES. COLOUR TO BE CONFIRMED.

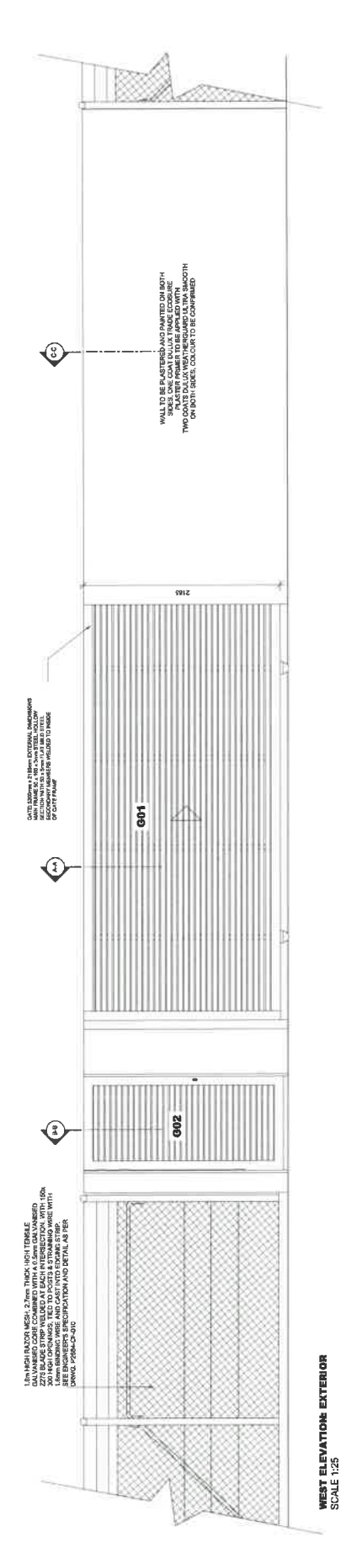
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WALL TO BE PAINTED AND FINISHED ON BOTH SIDES. ONE COAT DULUX TRADE COLOUR. TWO COATS DULUX WEATHERGUARD ULTRA SMOOTH ON BOTH SIDES. COLOUR TO BE CONFIRMED.



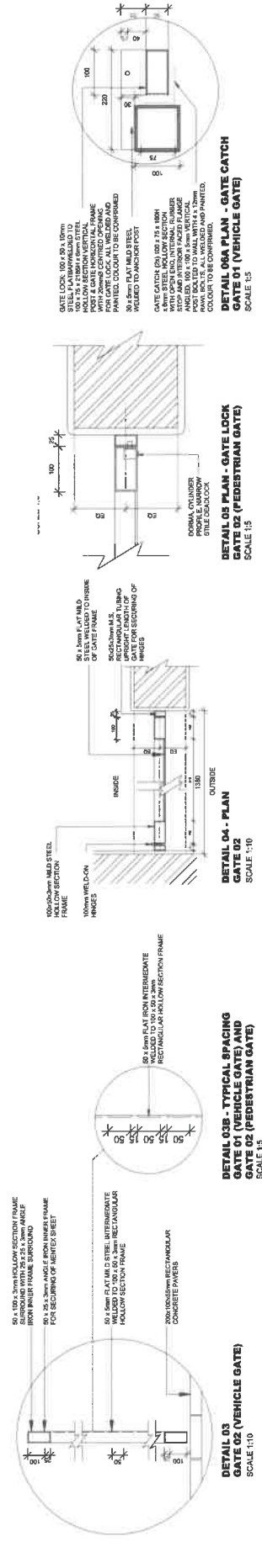
**EAST ELEVATION INTERIOR**  
SCALE 1:25

**WEST ELEVATION EXTERIOR**  
SCALE 1:25



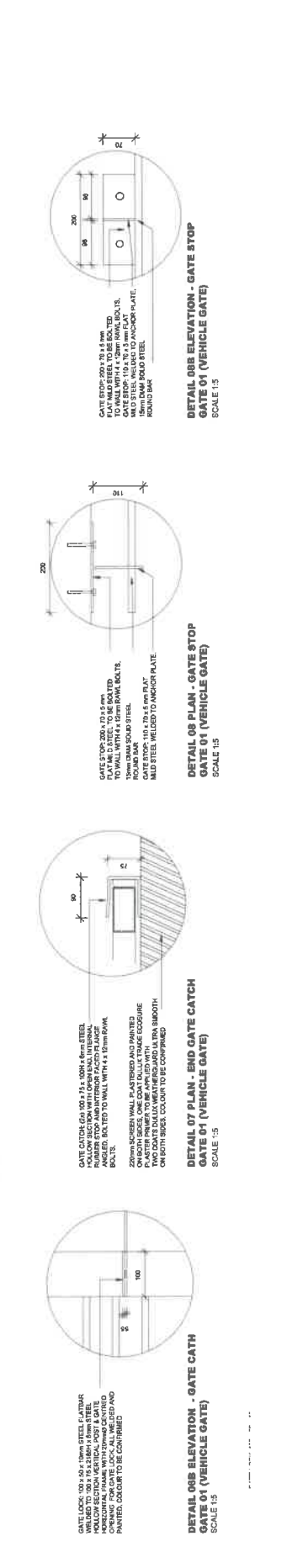
**EAST ELEVATION EXTERIOR**  
SCALE 1:5

**WEST ELEVATION INTERIOR**  
SCALE 1:5



**EAST ELEVATION EXTERIOR**  
SCALE 1:5

**WEST ELEVATION INTERIOR**  
SCALE 1:5



**EAST ELEVATION EXTERIOR**  
SCALE 1:5

**WEST ELEVATION INTERIOR**  
SCALE 1:5

1. All dimensions shall be checked before any work on the site.  
 2. All dimensions shall be checked before any work on the site.  
 3. Any dimensions for reinforcement shall be checked before any work on the site.  
 4. Any dimensions for reinforcement shall be checked before any work on the site.

**CONSTRUCTION NOTES**

1. All concrete strength to be 25MPa.
2. All concrete strength to be 25MPa.
3. All concrete strength to be 25MPa.
4. For setting out and final dimensions refer to the worklogs drawings.
5. Cover to reinforcement unless otherwise shown.
6. Cover to reinforcement unless otherwise shown.
7. Foundations to be checked by engineer prior to setting of any concrete.
8. Final depth of drains not to be less than 100mm for any concrete.
9. All reinforcement must be checked by engineer prior to setting of any concrete.
10. All reinforcement must be checked by engineer prior to setting of any concrete.
11. These notes shall be read in conjunction with the drawings and specifications.
12. These notes shall be read in conjunction with the drawings and specifications.
13. These notes shall be read in conjunction with the drawings and specifications.
14. These notes shall be read in conjunction with the drawings and specifications.
15. These notes shall be read in conjunction with the drawings and specifications.

**STEEL NOTES**

1. Check steel to be used throughout.
2. Check steel to be used throughout.
3. Check steel to be used throughout.
4. Check steel to be used throughout.
5. Check steel to be used throughout.
6. Check steel to be used throughout.
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10. Check steel to be used throughout.
11. Check steel to be used throughout.
12. Check steel to be used throughout.
13. Check steel to be used throughout.
14. Check steel to be used throughout.
15. Check steel to be used throughout.

**FOR MEASUREMENT**

No.	Date	Revision	By	For
B	27/05/2021	REVISION	V. JAMES	FOR MEASUREMENT
A	14/02/2021	FOR MEASUREMENT	V. JAMES	FOR MEASUREMENT

**Lithon Project Consultants**  
 Project Managers, Civil, Structural, Electrical & Mechanical Engineers

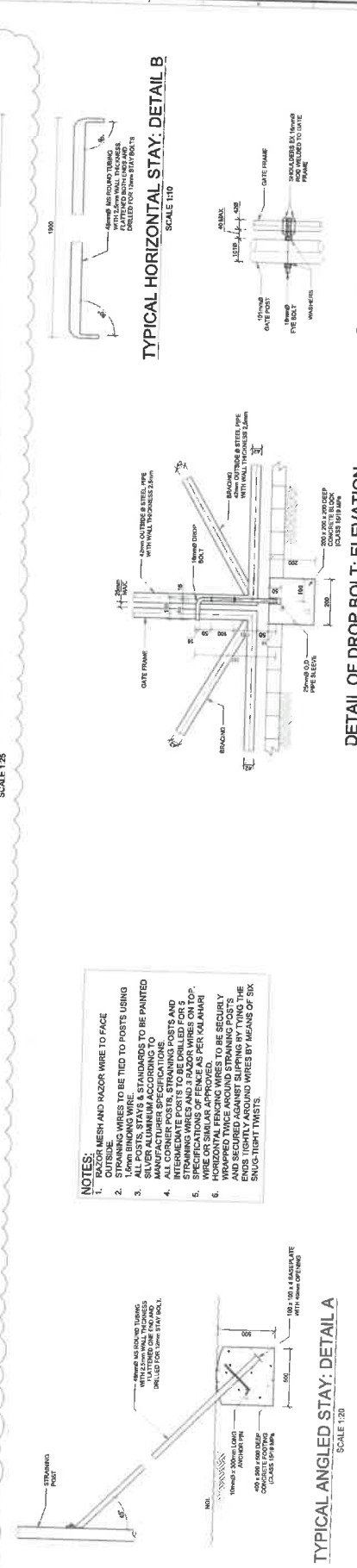
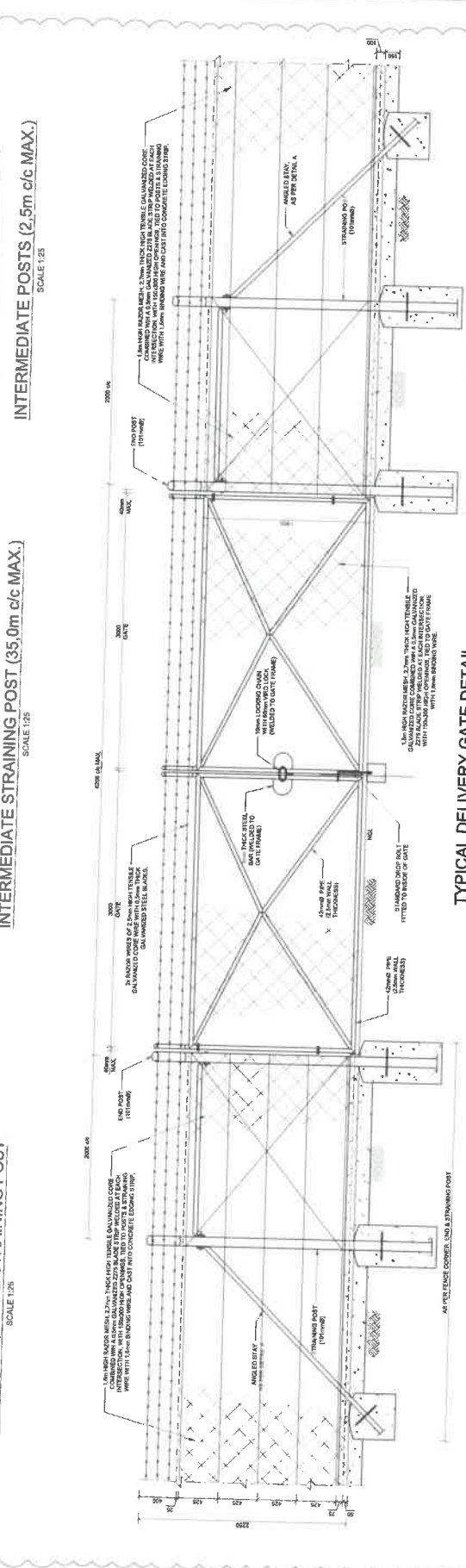
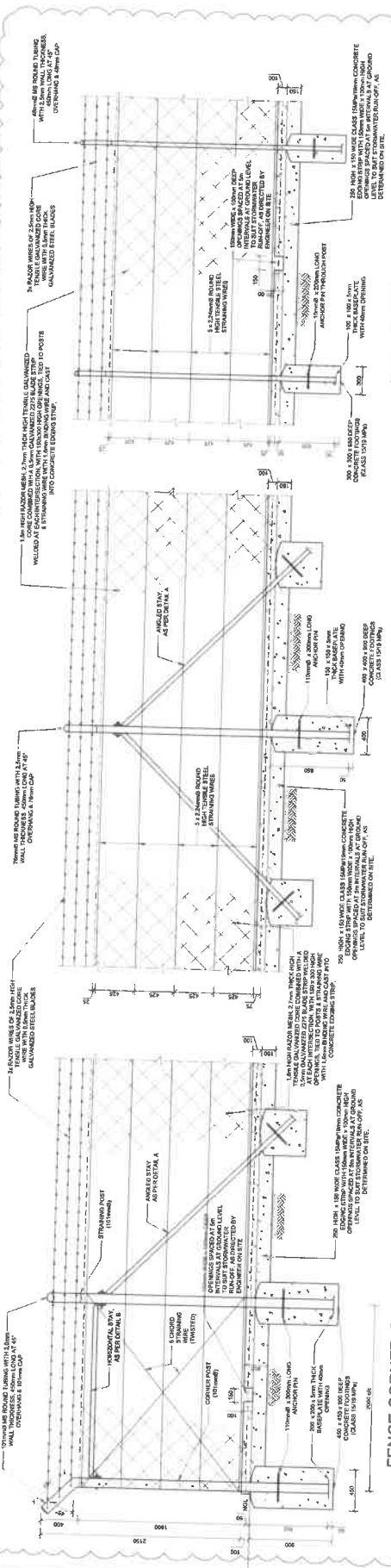
**Pinalco Louber Architects**  
 Architects

**J&L Project Consultants**  
 Quantity Surveyors

**Kunene Regional Council**  
 Project Engineer

**CONSTRUCTION OF THE OKANGUATI SETTLEMENT OFFICE**  
**1.8m RAZOR MESH SECURITY FENCE DETAILS**

Drawing No. 14112/2021  
 Date of Issue: 14/12/2021  
 Scale: AS SHOWN  
 Revision: B



- NOTES:**
1. RAZOR MESH AND RAZOR WIRE TO FACE OUTSIDE OF GATE.
  2. STRAINING WIRES TO BE TIED TO POSTS USING 12mm BONDING WIRE.
  3. STRAINING POSTS & STANDARDS TO BE PAINTED SILVER ALUMINUM & STANDARDS TO BE PAINTED WHITE ALUMINUM.
  4. CORNER POSTS, STRAINING POSTS AND INTERMEDIATE STRAINING POSTS TO BE SPECIFIED AS PER KALAHARI.
  5. SPECIFICATIONS OF FENCE AS PER KALAHARI.
  6. HORIZONTAL LACING WIRES TO BE SECURELY WRAPPED TWICE AROUND STRAINING POSTS ENDS TIGHT AGAINST SLIPPING BY TYING THE ENDS TIGHT TIGHTS.

