



*Nkomazi
Local Municipality*

TENDER NO: NKO23/2024

CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

CIDB GRADING: 6GB OR HIGHER

NAME OF TENDERER	
CIDB NUMBER	
TENDER AMOUNT (FIGURES)	R.....
TENDER AMOUNT (WORDS)	



EXPANDED PUBLIC WORKS PROGRAMME

MIG

Municipal
Infrastructure
Grant

Prepared for:
Nkomazi Local Municipality



*Nkomazi
Local Municipality*

Private Bag x X101
Malelane
1320

Tel.: (013) 790 0245

Fax.: (013) 790 0886

Prepared by:
LPS Consulting (Pty) Ltd



Unit 45. 2 1st floor
Central Park, 12 Suikerriet Street
Mbombela
1201

Tel.: (013) 744 6070

Closing Date & Time.....18 July 2024 @ 12:00

NKOMAZI LOCAL MUNICIPALITY
CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

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Employer

Witness 1

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9 Park Street - Malalane
Private Bag X101
Malalane,
1320
Tel: (013) 790 0245
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Customer Care No. (013) 790 0990
www.nkomazi.gov.za

BID NO:23/2024 CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL FOR NKOMAZI LOCAL MUNICIPALITY.

The Nkomazi Municipality invites interested parties who are registered as CIDB Grading 6GB or high for the construction of Driekoppies Community Hall in Nkomazi Local Municipality. Tender documentation with complete details is available upon the payment of a non-refundable amount of R1 635.36 on each tender document or can be downloaded for free on the e-Tender portal. Tender document(s) will be available as from 28/06/2023 and to be obtained at Nkomazi Local Municipality: Budget and Treasury (Old Malalane Taxi Rank) Impala Street from the Cashiers Desk from 07h45 to 15H30 (Monday-Friday).

A non-compulsory tenderer briefing session will be held on 10H00 04/07/2024 at the Municipal Town Hall Malalane (Kobwa Hall) at Fish Eagle.

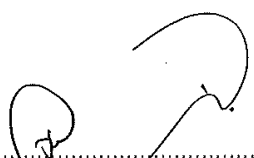
Bidders are advised not to commit fraudulent activities or forge document. All abusers of the SCM system, including or faking of returnable documents, may be reported to SAPS and restricted from doing business with any public institution for a period not exceeding 10 years in line with section 28 and 29 of the prevention and combating of corrupt activities Act 12 of 2004

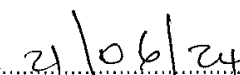
A preferential system shall apply whereby this contract will be allocated to a bidder in accordance with the Preferential Procurement Policy Framework Act, no 5 of 2000 and as defined in the bid document, read in conjunction with the Preferential Procurement Regulation, 2022 where 80 points will be allocated in respect of price and 20 points in respect of targeted goals.

Completed bid documentation must be deposited on/before 12h00 on 18/07/2024 in the Tender Box situated at the main entrance of the municipality (Civic Centre), 9 Park Street Malalane.

Tenders/Bids must be submitted in a sealed envelope or container on which the tender/bid number and addressee is clearly marked. No bids transmitted by fax or e-mail will be accepted. It must be noted that the municipality is not bound to accept the lowest on any other tender. Tender/bid documentation which is incomplete or filled incorrectly, not filled in on the official bid documentation or which is received after the close of the bids, will be ignored. It must also be noted that tender submitted in a wrong tender box will not be considered.

For Supply Chain enquiries contact Mr. R. Mabuza at 013 790 0386, and for technical enquiries contact Mr. M Sibuyi at 013 790 0145, between 07H15 – 16H00 on working weekdays.


XT MABILA
MUNICIPAL MANAGER


Date

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF MUNICIPALITY/ MUNICIPAL ENTITY)					
BID NUMBER:	NKO23/2024	CLOSING DATE:	18 JULY 2024	CLOSING TIME:	12h00
DESCRIPTION	Construction of Driekoppies Community Hall				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX
SITUATED AT (STREET ADDRESS)

Nkomazi Local Municipality Civic Centre
9 Park Street
Malelane
1320

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
1. ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		2. ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?		☐ Yes ☐ No [IF YES, ANSWER PART B:3]
3. TOTAL NUMBER OF ITEMS OFFERED			4. TOTAL BID PRICE		R
5. SIGNATURE OF BIDDER			6. DATE		
7. CAPACITY UNDER WHICH THIS BID IS SIGNED					

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT	Supply Chain	CONTACT PERSON	Ms G Mbatsane
CONTACT PERSON	Mr R Mabuza	TELEPHONE NUMBER	013 790 0145
TELEPHONE NUMBER	013 790 0386	FACSIMILE NUMBER	013 790 0245
FACSIMILE NUMBER	013 790 0245	E-MAIL ADDRESS	Gift.Mbatsane@nkomazi.gov.za
E-MAIL ADDRESS	Richard.Mabuza@nkomazi.gov.za		

PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR ONLINE**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.
- 2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- 3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO
- 3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO
- 3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO
- 3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO
- 3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.**

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

DATE:

T1.2 TENDER SUBMISSION, TERMS AND CONDITIONS

General

- Bids must be in South African rands, fixed price basis including VAT;
- The Nkomazi Local Municipality reserves the right to call interviews with short-listed bidder before final selection;
- The Nkomazi Local Municipality reserves the right to negotiate price with preferred bidder in terms of Clause F.1.6.2;
- Bidders must provide details of physical address and contact numbers to enable the Nkomazi Local Municipality to assess the ability of the bidder to deliver on the submission made;
- A bidder must submit a comprehensive tender and cannot tender for portions of the scope;
- The Nkomazi Local Municipality is not compelled to accept the lowest price offer or any other tender.

Bid Instructions

1. The tender document(s) have been drafted to ensure that essential information is furnished upon the correct completion of the document(s). Where there is insufficient space, or additional particulars are required to be furnished, such must be provided on a separate annexure, clearly indicated.
2. Tender document(s) may not be retyped or redrafted. Also, no photocopies of the original document(s) may be used.
3. Tender document(s) may be completed by mechanical devices such as typewriters; alternatively black ink must be used to fill in the document(s).
4. Tenderer must ensure that no pages are missing from the bid document(s), and that the pages of the bid are numbered consecutively. Nkomazi Local Municipality shall not be held liable with regard to claims arising from the fact that pages are missing or duplicated.
5. Firm tender prices (rates) and delivery periods are preferred, and tenders must clearly state whether prices and delivery periods will remain firm for the duration of the contract or not.
6. Tenderer must be strictly to specification. In cases where items are not to specification, deviations must be clearly indicated. It must also be noted that supplier/tenderer may quote for other items other than the one indicated on the schedule of quantity on a separate sheet, but it would not form part of items to be evaluated for.
7. Tender prices must be quoted in South African currency and in the specified units, unless the contrary is clearly indicated.
8. All the documents herewith form part of the bid and failure to comply with any part thereof may invalidate a bid.
9. Nkomazi Local Municipality may issue Briefing Notes during the briefing session which may contain amendments or information that may assist bidders in articulating their bids.
10. Nkomazi Local Municipality require as a condition of the bid that the compulsory explanatory meeting be attended by prospective bidders. This requirement will be clearly stated in the tender advertisement as well as in the documentation.
11. Nkomazi Local Municipality requires the furnishing of a non-refundable bid deposit together with the drawing of bid documentation (if applicable). Where such a non-refundable bid deposit is requested in the bid documentation, no bid will be accepted unless such a deposit (or cash) is submitted in the form of a bank cheque payable to Nkomazi Local Municipality before submission of the bid.
12. Tenders must be submitted to the addressee before the closing time. Bids submitted after the closing time shall be considered late, and will not be admitted for consideration.
13. The contractor/Service provider shall not abandon, transfer, assign or sublet a contract or part thereof without prior written consent of the council.
14. It is an irrefutable condition of this contract that the successful tenderer will have to negotiate and conclude a service level agreement with the council.

The following conditions must be complied with:

Failure to comply with the following will render the tenderer liable to rejection:

- All pages must be completed, and all pages form part of the tender document, therefore no page removal is allowed.
- Scratching out / painting over rates / use of correcting fluid is not allowed.
- Failure to attend compulsory site inspections / compulsory briefing sessions in case is required.
- Failure to submit documents required in this document
- Form of tender not filled and signed and all pages of bid documents not initiated.
- Enterprise particulars not provided.
- The bid has been submitted after the closing date and time.
- Failure to initial or sign all Pages of the Tender documents

Compulsory returnable Documents: failure to return documents below is an automatic disqualification with the exception of the BBBEE Status Certificate

- Attend compulsory briefing session
- Attach Copy of SARS Tax Pin or tax clearance certificate
- Copy of Central Supplier Database Registration Report
- Certified copy of Company Registration (CK)
- Certified copy of ID's for all the company directors
- "Acceptable bid" means any bid which, in all respects, complies with the conditions of bid and specifications as set out in the bid documents, including conditions as specified in the Preferential Procurement Policy Framework Act (Act 5 of 2000) and related legislation as defined in this bid document, read in conjunction with the Preferential Procurement Regulation, 2022 where 80 points will be allocated in respect of price and 20 points in respect of targeted goals.
- JV agreements must be completely signed by both companies
- All declarations and authorisations must be duly signed.
- All returnable schedules must be completed
- Certified copy of proof of payment for Municipal rates and taxes or letter from the municipality that indicate that your business is situated in an area in which it does not bill. If the rates and taxes account are not in the names of the company, the attached municipal rates and taxes statement must be submitted together with an original affidavit from the property owner whose names are reflecting on the municipal rates and taxes statement to confirm that the company operates from their property.
- Copy of Authority for signatory (Must be in the company letter head)
- Certified Copy of CIDB grading
- Complete the form of offer
- Complete the MBD Forms 4 and 9

Any contract awarded on false information furnished by the bidder, may, without derogating from other remedies available to Nkomazi Local Municipality, be cancelled at the sole discretion of Nkomazi Local Municipality

T1.4 RETURNABLE DOCUMENTS

The Tenderer must complete the following returnable documents and submit with the complete tender document.

DOCUMENT REF.	DESCRIPTION	ACTION
RETURNABLE SCHEDULES AND CERTIFICATES		
A	Proof of Registration on the National Treasury Centralised Supplier Database (CSD)	Attach
B	Proof of tax compliance status and a valid SARS PIN	Complete/ Attach
C	Bank Rating Letter	Complete/ Attach
D	PREFERENCING SCHEDULE: BROAD BASED BLACK ECONOMIC EMPOWERMENT STATUS	Complete/ Attach
FAILURE TO SUBMIT/FULLY COMPLETE THE BELOW DOCUMENTS WILL RENDER THE TENDER SUBMISSION NON-RESPONSIVE (COMPULSORY RETURNABLES)		
E	Certificate of Attendance at a Tender Site Meeting	Complete
F	Record of Addenda to Tender Documents (If applicable)	Complete
G	Amendments, Qualifications and Alternatives (If applicable)	Attach
H	Certificate of Authority for Signature	Complete
I	Copy Workmen's Compensation Registration Certificate (or proof of payment of contributions in terms of the Compensation for Occupational Injuries and Disease Act No. 130 of 1993)	Attach
J	Fully Completed MBD Forms: MBD2, MBD3.2, MBD3.3, MBD4, MBD5, MBD6.1, MBD6.2, MBD7.1, MBD7.2, MBD7.3, MBD8, MBD9	Complete
K	Municipal Declaration	Complete
INFORMATION REQUIRED FOR EVALUATION PURPOSES		
L	Key Personnel	Attach
M	Qualifications and Relevant Experience of the Contracts Manager/ Site Agent (Curriculum Vitae Format)	Attach
N	Qualifications and Relevant Experience of the Foreman (Curriculum Vitae Format)	Attach
O	Relevant Experience of the Safety Officer (Curriculum Vitae Format)	Attach
P	Relevant Experience of the Plant Operator (Curriculum Vitae Format)	Attach
Q	Summary of Tendering Firms Experience (Similar Work and Environment)	Attach
R	Provisional Programme	Attach
S	Schedule of Plant and Equipment/Letter of Intent to Hire	Attach
T	Occupational Health & Safety Plan	Attach
U	Certified CIDB Grading Certificate	Attach

T1.5 TENDER DATA

1.5.1 GENERAL

The Conditions of Tender reproduced are the Standard Conditions of Tender as contained in Annex F of SANS 294 – Construction Procurement Processes, Methods and Procedures which contain references to the Tender Data for details that apply specifically to this tender.

The Tender Data shall be read with the Standard Conditions of Tender in order to expand on the Tenderer's obligations and the Employer's undertakings in administering the tender process in respect of the project under consideration.

The Tender Data contained hereafter shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of Tender Data given below is cross-referenced to the relevant clause in the standard Conditions of Tender.

1.5.2 TENDER DATA APPLICABLE TO THIS TENDER

F.1.1 The Employer for this Contract is: **NKOMAZI LOCAL MUNICIPALITY**

F.1.2 Tender Documents

(a) **The Tender Document** consists of the following:

TENDER

T1: Tendering Procedures

T1.1: Tender Notice and Invitation to Tender

T1.2: Tender Data

T2: Returnable Documents

T2.1: List of Returnable Documents

T2.2: Returnable schedules and forms

CONTRACT

Part 1: Agreements and Contract Data

C1.1: Form of Offer and Acceptance

C1.2: Contract Data

Part 2: Pricing Data

C2.1: Pricing Instructions

C2.2: Bill of Quantities

Part 3: Scope of Work

C3: Scope of Work

Part 4: Site Information

C4: Site information

The Tender Document shall be obtained from the Employer or his authorized representative at the physical addresses stated in the Tender Notice, upon payment of the deposit stated in the Tender Notice.

F.1.4 The Employer's Agent is:

Name : **LPS Consulting (Pty) Ltd**
Address : Unit 45.2.1st Floor , 12 Suikerriet Street, Mbombela
Code : 1201
Telephone : 013 744 6070
E-Mail : info@lpsconsult.co.za

F.1.5 The Employer's right to accept or reject any tender offer

The Employer is not obliged to accept the lowest or any tender offer.

F.2.1 Eligibility

A Tenderer will not be eligible to submit a tender if:

- (a) the contractor submitting the tender is under restrictions or has principals who are under restriction to participate in the Employer's procurement due to corrupt or fraudulent practices;
- (b) the Tenderer does not have the legal capacity to enter into the contract;
- (c) the contractor submitting the tender is insolvent, in receivership, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of the foregoing;
- (d) The Tenderer does not comply with the legal requirements stated in the Employer's procurement policy;
- (e) The Tenderer who cannot demonstrate that he possesses the necessary technical qualifications and competencies, financial resources, equipment and other physical facilities, managerial capability, personnel, experience and reputation to perform the contract; or

TENDERERS TO TAKE PARTICULAR NOTICE OF THIS CLAUSE AS TENDERERS WHO DO NOT COMPLY HEREWITH WILL NOT BE CONSIDERED ELIGIBLE.

- (f) The Tenderer who cannot provide proof that he is in good standing with respect to duties, taxes, levies and contributions required in terms of legislation applicable to the work in the contract.

F.2.7 Site visit and clarification meeting

The arrangements for the non-compulsory site inspection visit and clarification meeting are as follows:

Location: Kobwa Hall, MALELANE Nkomazi Local Municipality

Date : 04 July 2024

Starting time: 10: 00AM

F.2.12 Alternative tenders

If a Tenderer wishes to submit an alternative tender offer, the only criteria permitted for such an alternative tender offer are:

- (a) Individual items

Individual items offered as alternatives to items in the Bill of Quantities will only be considered if listed and priced in Form G: *Amendments, Qualifications and Alternatives* in Part 2 of the Contract Document, accompanied by a detailed statement as necessary.

- (b) Alternative designs

Where a Tenderer desires to submit an alternative tender involving modifications to the design or method of construction that would alter the character of the tender, the following procedure must be observed:

- (i) The alternative offer must be accompanied by supporting information, drawings, calculations and a priced alternative Bill of Quantities to enable its technical acceptability, construction time and price to be fully assessed. Such information, drawings and Bill of Quantities must be sufficient for the proper evaluation of the tendered alternative, otherwise the offer will not be considered;
- (ii) Any alternative tender involving modifications to the design will be assessed on its merits and may be accepted. An accepted alternative design will become the design for the purpose of the contract.
- (iii) If an alternative design with its priced Bill of Quantities has been accepted, the sum thus tendered for the alternative will not be subject to re-measurement and will be the final amount payable to the Contractor, except only for variations arising from:
 - Changes in design parameters ordered by the Engineer;
 - Changes not arising from any failure or fault of the Contractor, but from modifications requested by the Engineer.
- (iv) A decision whether or not to adopt a technically acceptable modified design will be governed by the amount of the overall saving and the advantages to the Employer which the modified design can be reliably expected to achieve. Matters to be considered in arriving at the overall saving will include the effect of any deferment in starting date arising from extra time needed for the preparation of an amended contract for signature.
- (v) The priced alternative Bill of Quantities must include an amount equal to 5% of the amount tendered therein to cover the Employer's costs of checking the alternative design offered.

F.2.13 Submitting a Tender Offer

F.2.13.5 Tender offers shall be submitted as an original only.

Under no circumstances whatsoever may the tender forms be retyped or redrafted.

Photocopies of the original tender documentation may be used, but an original signature must appear on such photocopies.

F.2.13.6 A two-envelope procedure will not be followed.

F.2.15 Closing Time

The closing time for submission of Tender Offers is as per the Tender Bulletin.

Telephonic, telegraphic, facsimile, telex, electronic or e-mailed tenders will **not** be accepted.

F.2.16 Tender Validity

All tenders shall remain valid for a period of ninety (90) days after the time and date set for the opening of tenders, or until the Tenderer is relieved of this obligation by the Employer, in writing, at an earlier date. However, the Tenderer may be requested in writing, not later than fourteen (14) days before this validity period will lapse, to extend the validity of this tender for a specific period. The written approval of the Tenderer must then be received before the lapsing of the original validity period, in order to remain valid.

Should a Tenderer –

- Withdraw his tender during the period of its validity; or
- give notice of his inability to execute the contract or fail to execute the contract; or
- fail to sign the contract agreement or furnish the required security within the period fixed in the Contract Data or any extended time agreed to by the Employer;

then he shall be liable for and pay to the Employer –

- all expenses incurred in calling for fresh tenders, if it should be necessary;
- the difference between his tender and any less favourable tender accepted either by fresh tenders being called or by another tender being accepted from those already received;
- any escalation of the final contract price resulting from any delay caused in calling for fresh tenders:

Provided always that the Employer may exempt a Tenderer from the provisions hereof, if it is of the opinion that the circumstances justify such exemption.

F.2.19 Access

Access shall be provided for inspections and testing by personnel acting on behalf of the Employer.

F.2.22 Return of Tender Documents

Not applicable.

F.2.23 Certificates

The following certified certificates must be provided with the tender (Compulsory):

- Joint Venture Agreement and Power of Attorney in case of Joint Ventures;
- Workman's Compensation Registration Certificate (or proof of payment of contributions in terms of the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993);
- Company/CC/Trust/Partnership registration certificates; and
- Certified Copies of Identity Document of company owner/directors.

F.3.5 The two-envelope system **will not** apply to this tender.

F.3.11 Evaluation of Tender Offers

The Nkomazi Local Municipality has adopted a policy in the legislation applicable to procurement of tenders and management of Construction Contracts. To achieve the Government's community empowerment policies, an environment conducive to emerging and SMME's Contractors has to be created. Therefore the procurement policy adopted by Nkomazi Local Municipality will be implemented in this contract to give effect to Section 217(2) of the Constitution and as published in Government Gazette no 16085, dated 23 November 1994.

F.3.11.2 Tenders will be evaluated in a single stage in accordance with the standard tender evaluation Method 2: Financial Offer and preference:

STAGE 1: TEST FOR RESPONSIVENESS/ELIGIBILITY

In order for a tender to be considered responsive, it must comply with **ALL** of the following criteria:

- The tender documentation must be completed and signed in all respects;
- The Contractor must have the required CIDB grading;
- The tender documentation must include all necessary and applicable documentation as listed in F.2.23 above; and
- The tender must comply with the eligibility criteria noted in F.2.1.

The responsiveness of a tender will be assessed by scoring the bid according to the criteria detailed in the table overleaf.

It is incumbent on the Tenderer to ensure that the returnable documents in T2 are completed in sufficient detail to enable the score to be properly assessed. If the information provided renders a specific criterion not being fully complied with, then the bid will be scored on the next criterion down.

TENDERER'S MUST SCORE A MINIMUM OF 70 POINTS IN ORDER FOR THE BID TO BE ELIGIBLE IN TERMS OF F.2.1 (e).

TECHNICAL EVALUATION CRITERIA

Criterion	Assessment	Points Awarded	Max Score
Construction Team Key Personnel (Forms L, M, N,O)	Site Agent/Contract manager has Certified N.D Civil Engineering/ Building or relevant B – degree in Civil Eng (4); NQF 5 (Labour Intensive) Qualification (2); Completed minimum of 5 projects (2), five years' experience (2).	10	30
	General Foreman has Certified Civil Engineering Trade Qualification (4); NQF level 2 Labour intensive Qualification (2); Completed minimum of 3 projects (2); Three years' experience (2).	10	
	Safety Agent with a Certified relevant safety qualification (3); Completed min of 2 projects (1); Three years' experience (1).	05	
	Plant Operator with a Certified relevant trade certificate (2.5); Three years' experience (2.5).	05	
Experience of similar work and environment (Form P)	Company Experience of similar work in the past 7 years; (10 point for each similar successfully completed project with value of R10million to R20 million).	10	50
	5 points for each similar completed project with value of R6 Million to R10 million)	5	
	2 points for each similar completed project with value of less than R6 Million	2	
	Certified Appointment letters and Completion Certificates to be submitted as proof.		
Company financial Capacity (Form C)	Bank Rating of: C or better - 5; D - 3; E or Lower - 0;		05

Plant and Equipment (Form R)	TLB (Own/Hired) – 4 Excavator - (Own/Hired) 4 Water Tanker (Own/Hired) - 2 6m3 or 10 m3 Tipper Truck (Own/Hired) – 2 Plate Compactor - (Own/Hired) 3		15
MAXIMUM SCORE:			100

STAGE 2: FINANCIAL OFFER AND PREFERENCES

All tenders that meet the stage 1 criteria for responsiveness will progress through to the evaluation phase as set out in this tender document.

F.3.11.4 Points scored for price (Contract Value less than R 50 000 000)

The 80/20 preference point system will be used to allocate points for tenders in this category.

It is estimated that tenders on this contract will be evaluated on the 80/20 preference point system.

Annex F: Standard Conditions of Tender

(As contained in Annexure F of Board Notice 12 of 2009: Standards for Uniformity in Construction Procurement)

F.1 General

F.1.1 Actions

F.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

F.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note:

- 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.
- 2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

F.1.1.3 The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

F.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

F.1.3 Interpretation

F.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

F.1.3.2 These conditions of tender, the tender data and tender schedules which are only required for tender evaluation purposes, shall not form part of any contract arising from the invitation to tender.

F.1.3.3 For the purposes of these conditions for the calling for expressions of interest, the following definitions apply:

- a) **conflict of interest** means any situation in which:
 - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
 - ii) an individual or organisation is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the organisation which employs that employee.
- b) **comparative offer** means the tenderer's financial offer after all tendered parameters that will affect the value of the financial offer have been taken into consideration in order to enable comparisons to be made between offers on a comparative basis;
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process; and

- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels
- e) **organization** means a company, firm, enterprise, association or other legal entity, whether incorporated or not, or a public body
- f) **quality (functionality)** means the totality of features and characteristics of a product or service that bear on its ability to satisfy stated or implied needs

F.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be read, copied and recorded. Writing shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

F.1.5 The employer's right to accept or reject any tender offer

F.1.5.1 The employer may accept or reject any variation, deviation, tender offer, or alternative tender offer, and may cancel the tender process and reject all tender offers at any time before the formation of a contract. The employer shall not accept or incur any liability to a tenderer for such cancellation and rejection, but will give written reasons for such action upon written request to do so.

F.1.5.2 The employer may not subsequent to the cancellation or abandonment of a tender process or the rejection of all responsive tender offers re-issue a tender covering substantially the same scope of work within a period of six months unless only one tender was received, and such tender was returned unopened to the tenderer.

F.1.6 Procurement procedures

F.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to F.3.13, be concluded with the tenderer who in terms of F.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submission that are received at the closing time for tenders.

F.1.6.2 Competitive negotiation procedure

F.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of tenders shall not apply.

F.1.6.2.2 All responsive tenderers, or not less than three responsive tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter into competitive negotiations, based on the principle of equal treatment and keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of F.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

F.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to make a fresh tender offer, based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

F.1.6.2.4 The contract shall be awarded in accordance with the provisions of F.3.11 and F.3.13 after tenderers have been requested to submit their best and final offer.

F.1.6.3 Proposal procedure using the two stage-system

F.1.6.3.1 Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

F.1.6.3.2 Option 2

F.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

F.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.

F.2 Tenderer's obligations

F.2.1 Eligibility

F.2.1.1 Submit a tender offer only if the tenderer complies with the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

F.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

F.2.2 Cost of tendering

Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with the requirements.

F.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

F.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

F.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

F.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

F.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

F.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five working days before the closing time stated in the tender data.

F.2.9 Insurance

Insurance for this contract is to be supplied by contractor as per the contract data. The tenderer is advised to seek qualified advice regarding insurance.

F.2.10 Pricing the tender offer

F.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the tender data.

F.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

F.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

F.2.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

F.2.11 Alterations to documents

Not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations. Erasures and the use of masking fluid are prohibited.

F.2.12 Alternative tender offers

F.2.12.1 Unless stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

F.2.12.2 Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

F.2.13 Submitting a tender offer

F.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

F.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

- F.2.13.3** Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.
- F.2.13.4** Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.
- F.2.13.5** Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.
- F.2.13.6** Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.
- F.2.13.7** Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.
- F.2.13.8** Accept that the employer shall not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
- F.2.13.9** Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.
- F.2.14 Information and data to be completed in all respects**
- Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.
- F.2.15 Closing time**
- F.2.15.1** Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.
- F.2.15.2** Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.
- F.2.16 Tender offer validity**
- F.2.16.1** Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.
- F.2.16.2** If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.
- F.2.16.3** Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.
- F.2.16.4** Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with packages clearly marked as "SUBSTITUTE".
- F.2.17 Clarification of tender offer after submission**

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the total of the prices or substance of the tender offer is sought, offered, or permitted.

Note: Sub-clause F.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.

F.2.18 Provide other material

F.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided by the time for submission stated in the employer's request, the employer may regard the tender offer as non-responsive.

F.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

F.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

F.2.20 Submit securities, bonds, policies, etc.

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

F.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

F.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the tender data.

F.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

F.2.24 Contract Price Adjustment.

The tender price given is fixed and will not be adjusted for escalation, unless provided for in the contract data. Fluctuations in the foreign currency exchange rate, however, shall be dealt with in the following manner:

1. No change in the tendered rates shall be allowed if the foreign currency (Rand versus US dollar) exchange rate on the date of letter of acceptance, by the client, of this contract has fluctuated up or down by less than or equal to 5% of the base exchange rate. (Refer to note 3 below)

2. Should the foreign currency (Rand versus US Dollar) exchange rate on the date of letter of acceptance, by the client, of this contract have fluctuated up or down by more than 5% of the base exchange rate (See note 3 below), the tendered rates for Section 2 in the Schedule of Quantities shall be adjusted up or down by an

amount equal to the difference between the exchange rate on the date of letter of acceptance and the base exchange rate plus or minus 5 %, whichever is applicable.

3. The base foreign currency (Rand versus US dollar) exchange rate shall be the exchange rate determined by the Johannesburg Stock Exchange (JSE) at **4h00 pm** on the Monday before the tender closing date.

F.3 The Employer's undertakings

F.3.1 Respond to requests from the tenderer

F.3.1.1 Unless otherwise stated in the tender data, respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all tenderers who drew procurement documents.

F.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to pre-qualify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not pre-qualified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

F.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date of the Tender Notice until three days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who drew documents.

F.3.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

F.3.4 Opening of tender submissions

F.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

F.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, preferences claimed and time for completion, if any, for the main tender offer only.

F.3.4.3 Make available the record outlined in F.3.4.2 to all interested persons upon request.

F.3.5 Two-envelope system

F.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

F.3.5.2 Evaluate the quality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the quality evaluation more than the minimum number of points for quality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any preferences claimed. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for quality.

F.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

F.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

F.3.8 Test for responsiveness

F.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

F.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

F.3.9 Arithmetical errors, omissions or discrepancies

F.3.9.1 Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

F.3.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
 - i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - ii) the summation of the prices.

F.3.9.3 Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

F.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

- a) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected.
- b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

F.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

F.3.11 Evaluation of tender offers

F.3.11.1 General

Appoint an evaluation of not less than three persons. Reduce each responsive tender offer to a comparative offer and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

F.3.11.2 Method 1: Financial offer

In the case of a financial offer:

- a) Rank tender offers from the most favourable to the least favourable comparative offer.
- b) Recommend the highest ranked tenderer for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- c) Re-rank all tenderers should there be compelling and justifiable reasons not to recommend the highest ranked tenderer and recommend the highest ranked tenderer, unless there are compelling and justifiable reasons not to do so and the process set out in the sub clause is repeated.

F.3.11.3 Method 2: Financial offer and preference

In the case of a financial offer and preferences:

- a) Score each tender in respect of the financial offer made and preferences claimed, if any, in accordance with the provisions of F.3.11.7 and F.3.11.8.
- b) Calculate the total number of tender evaluation points (T_{EV}) in accordance with the following formula:

$$T_{EV} = N_{FO} + N_P$$

Where: N_{FO} is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.7;
 N_P is the number of tender evaluation points awarded for preferences claimed in accordance with F.3.11.8.

- c) Rank tender offers from the highest number of evaluation points to the lowest.
- d) Recommend the tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points, and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in the sub clause is repeated.

F.3.11.4 Method 3: Financial offer and quality

In the case of a financial offer and quality:

- a) Score each tender in respect of the financial offer made and the quality offered in accordance with the provisions of F.3.11.7 and F.3.11.9, rejecting all tender offers that fail to score the minimum number of points for quality stated in the tender data, if any
- b) Calculate the total number of tender evaluation points (T_{EV}) in accordance with the following formula:

$$T_{EV} = N_{FO} + N_Q$$

Where: N_{FO} is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.7;

N_Q is the number of tender evaluation points awarded for quality offered in accordance with F.3.11.9.

- c) Rank tender offers from the highest number of evaluation points to the lowest.
- d) Recommend the tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points, and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in the sub clause is repeated.

F.3.11.5 Method 4: Financial offer, quality and preferences

In the case of a financial offer, quality and preferences:

- a) Score each tender in respect of the financial offer made and the quality offered in accordance with the provisions of F.3.11.7 and F.3.11.9, rejecting all tender offers that fail to score the minimum number of points for quality stated in the tender data, if any
- b) Calculate the total number of tender evaluation points (T_{EV}) in accordance with the following formula:

$$T_{EV} = N_{FO} + N_P + N_Q$$

Where: N_{FO} is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.7;

N_P is the number of tender evaluation points awarded for preference claimed in accordance with F.3.11.8.

N_Q is the number of tender evaluation points awarded for quality offered in accordance with F.3.11.9.

- c) Rank tender offers from the highest number of evaluation points to the lowest.
- d) Recommend the tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in the sub clause is repeated.

F.3.11.6 Decimal places

Score financial offers, preferences and quality, as relevant, to two decimal places.

F.3.11.7 Scoring Financial Offers

Score the financial offers of remaining responsive tender offers using the following formula:

$$N_{FO} = W_1 \times A$$

where: N_{FO} is the number of tender evaluation points awarded for the financial offer.
 W_1 is the maximum possible number of tender evaluation points awarded for the financial offer as stated in the Tender Data.
 A is a number calculated using the formula and option described in Table F.1 as stated in the Tender Data.

Table F.1: Formulae for calculating the value of A

Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a
1	Highest price or discount	$A = (1 + \frac{(P - P_m)}{P_m})$	$A = P / P_m$
2	Lowest price or percentage commission / fee	$A = (1 - \frac{(P - P_m)}{P_m})$	$A = P_m / P$
^a P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.			

F.3.11.8 Scoring preferences

Confirm that tenderers are eligible for the preferences claimed in accordance with the provisions of the tender data and reject all claims for preferences where tenderers are not eligible for such preferences. Calculate the total number of tender evaluation points for preferences claimed in accordance with the provisions of the tender data.

F.3.11.9 Scoring quality

Score each of the criteria and sub criteria for quality in accordance with the provisions of the Tender Data.

Calculate the total number of tender evaluation points for quality using the following formula:

$$N_Q = W_2 \times S_o / M_s$$

where: S_o is the score for quality allocated to the submission under consideration;
 M_s is the maximum possible score for quality in respect of a submission.
 W_2 is the maximum possible number of tender evaluation points awarded for the quality as stated in the tender data

F.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

F.3.13 Acceptance of tender offer

Accept the tender offer, if in the opinion of the employer, it does not present any unacceptable commercial risk and only if the tenderer:

- is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
- can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources,

- equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
- e) complies with the legal requirements, if any, stated in the tender data, and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

F.3.14 Prepare contract documents

If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents, and
- c) other revisions agreed between the employer and the successful tenderer.

F.3.15 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

F.3.16 Notice to unsuccessful tenderers

F.3.16.1 Notify the successful tenderer of the employer's acceptance of his tender offer by completing and returning one copy of the form of offer and acceptance before the expiry of the validity period stated in the tender data, or agreed additional period.

F.3.16.2 After the successful tenderer has been notified of the employer's acceptance of the tender, notify other tenderers that their tender offers have not been accepted.

F.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

F.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender, but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

T2 Returnable Documents

T2.1 List of Returnable Documents

The Tenderer must complete the following returnable documents and submit with the complete tender document.

DOCUMENT REF.	DESCRIPTION	ACTION
RETURNABLE SCHEDULES AND CERTIFICATES		
A	Proof of Registration on the National Treasury Centralised Supplier Database (CSD)	Attach
B	Proof of tax compliance status and a valid SARS PIN	Complete/ Attach
C	Bank Rating Letter	Complete/ Attach
D	BBBEE Verification Certificate. In case of Joint Venture (JV); B-BBEE must be SANAS approved	Attach
FAILURE TO SUBMIT/FULLY COMPLETE THE BELOW DOCUMENTS WILL RENDER THE TENDER SUBMISSION NON-RESPONSIVE (COMPULSORY RETURNABLES)		
E	Certificate of Attendance at a Tender Site Meeting	Complete
F	Record of Addenda to Tender Documents (If applicable)	Complete
G	Amendments, Qualifications and Alternatives (If applicable)	Attach
H	Certificate of Authority for Signature	Complete
I	Copy Workmen's Compensation Registration Certificate (or proof of payment of contributions in terms of the Compensation for Occupational Injuries and Disease Act No. 130 of 1993)	Attach
J	Fully Completed MBD Forms: MBD2, MBD3.2, MBD3.3, MBD4, MBD5, MBD6.1, MBD7.1, MBD7.2, MBD7.3, MBD8, MBD9	Complete
K	Municipal Declaration	Complete
INFORMATION REQUIRED FOR EVALUATION PURPOSES		
L	Key Personnel	Attach

DOCUMENT REF.	DESCRIPTION	ACTION
M	Qualifications and Relevant Experience of the Site Agent/Contracts Manager (Curriculum Vitae Format)	Attach
N	Qualifications and Relevant Experience of the Foreman (Curriculum Vitae Format)	Attach
O	Relevant Experience of the Safety Officer (Curriculum Vitae Format)	Attach
P	Relevant Experience of the Plant Operator (Curriculum Vitae Format)	Attach
Q	Summary of Tendering Firms Experience (Similar Work and Environment)	Attach
R	Provisional Programme	Attach
S	Schedule of Plant and Equipment/Letter of Intent to Hire	Attach
T	Occupational Health & Safety Plan	Attach
U	Certified CIDB Grading Certificate	Attach

A: CENTRAL SUPPLIER DATABASE REGISTRATION NUMBER

IMPORTANT NOTES:

1. The following is an abstract from the Preferential Procurement Regulations 2001 promulgated with the Preferential Policy Framework Act No 5 of 2000:

Central Supplier Database Registration Number

VALID CSD REPORT:

[Valid CSD report to be attached to this page]

B: PROOF OF TAX COMPLIANCE STATUS AND A VALID SARS PIN

IMPORTANT NOTES:

1. The following is an abstract from the Preferential Procurement Regulations 2001 promulgated with the Preferential Policy Framework Act No 5 of 2000:

"Valid Tax clearance certificate / Central Supplier Database Registration Number

16.No contract may be awarded to a person who has failed to submit an original Tax Clearance Certificate from the South African Revenue Service ("SARS") certifying the taxes of that person to be in order or that suitable arrangement have been made with SARS."

2. The ST 5.1 form, Application for Tax Clearance Certificate (in respect of tenders), must be **completed by the tenderer in every detail and submitted to the Receiver of Revenue** where the tenderer is registered for income tax purposes. The Receiver of Revenue will then furnish the tenderer with a Tax Clearance Certificate that will be valid for 6 months from date of issue.

Each party to a Consortium/Joint Venture/Sub-contractors must complete a separate Tax Clearance Certificate.

TAX CLEARANCE CERTIFICATE / SARS PIN

[Tax Clearance Certificate obtained/ PIN from SARS to be attached to this page]

C: BANK RATING AND CONFIRMATION OF BANKING DETAILS

Tenderers financial capacity to finance and undertake a contract of this nature will also be checked and consequently it is a requirement that the details below be provided.

NAME OF TENDERER					
NAME OF ACCOUNT HOLDER AT BANK					
TYPE OF ACCOUNT (Please tick)	CURRENT/CHEQUE	☐	SAVINGS	☐	TRANSMISSION
BANK					
BRANCH NAME					
ACCOUNT NUMBER					
BRANCH CODE					
BANK RANKING CODE					
BANK TELEPHONE NO					
BANK ADDRESS					
NAME OF BANK MANAGER					
TELEPHONE NUMBER					
FAX NUMBER					
NO OF YEARS ABOVE ACCOUNT HAS BEEN WITH BANK					
CREDIT FACILITIES AVAILABLE (State Amount)					

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

D: REGISTRATION CERTIFICATES OF AN ENTITY

ENTITY REGISTRATION:

[Important note to Tenderer: Registration Certificates for Companies, Close Corporations and Partnerships and ID documents for Sole Proprietors, must be inserted here. In the case of a Joint Venture, a copy of a duly signed Joint Venture Agreement clearly setting out the roles and responsibilities of the parties must be included with particular reference to the guarantees required in terms of the Contract Data. The Joint Venture Agreement must also clearly indicate how payment is to be effected to the entity and distributed to the parties]

CIDB REGISTRATION:

Tenderer's must also indicate their CIDB registration details in the space provided.
(If not registered, attach proof that the enterprise can be registered with the CIDB within 10 days)

Registered Name	Registration Number

BBBEE CERTIFICATION:

The Tenderer must also attach hereto a certified copy of their B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS).

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

E: CERTIFICATE OF ATTENDANCE AT CLARIFICATION MEETING

This is to certify that (*Tenderer*)

of (*address*).....

..... was represented by the person(s) named below at the compulsory meeting held for all tenderers on TBA

We acknowledge that the purpose of the meeting was to acquaint myself / ourselves with the site of the works and / or matters incidental to doing the work specified in the tender documents in order for me / us to take account of everything necessary when compiling our rates and prices included in the tender.

Particulars of person(s) attending the meeting:

Name:

Signature:

Capacity:

Name:

Signature:

Capacity:

Attendance of the above person(s) at the meeting is confirmed by the Employer's representative, namely:

Name:

Signature:

Capacity:

F: RECORD OF ADDENDA TO TENDER DOCUMENTS

We confirm that the following communications received from the Employer before the date of submission of this tender offer, amending the tender documents, have been taken into account in this tender offer.

ADD. No.	DATE	TITLE OR DETAILS
1		
2		
3		
4		
5		

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

G: AMENDMENTS, QUALIFICATIONS AND ALTERNATIVES

(This is not an invitation for amendments, deviations or alternatives but should the Tenderer desire to make any departures from the provisions of this contract he shall set out his proposals clearly hereunder. The Employer will not consider any amendment, alternative offers or discounts unless forms (a), (b) and (c) have been completed to the satisfaction of the Employer).

I / We herewith propose the amendments, alternatives and discounts as set out in the tables below:

(a) AMENDMENTS

PAGE, CLAUSE OR ITEM NO	PROPOSED AMENDMENT

Notes: (1) Amendments to the General and Special Conditions of Contract are not acceptable;

- (2) *The Tenderer must give full details of all the financial implications of the amendments and qualifications in a covering letter attached to his tender.*

(b) ALTERNATIVES

PROPOSED ALTERNATIVE	DESCRIPTION OF ALTERNATIVE

Notes: (1) Individual alternative items that do not justify an alternative tender, and an alternative offer for time for completion should be listed here.

- (2) In the case of a major alternative to any part of the work, a separate Bill of Quantities, programme, etc, and a detailed statement setting out the salient features of the proposed alternatives must accompany the tender.
- (3) Alternative tenders involving technical modifications to the design of the works and methods of construction shall be treated separately from the main tender offer.

(c) **DISCOUNTS**

ITEM ON WHICH DISCOUNT IS OFFERED	DESCRIPTION OF DISCOUNT OFFERED

Note: The tenderer must give full details of the discounts offered in a covering letter attached to his tender, failing which, the offer will be prejudiced

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

H: CERTIFICATE OF AUTHORITY FOR SIGNATURE OF AN ENTITY

Indicate the status of the tenderer by ticking the appropriate box hereunder. The tenderer must complete the certificate set out below for the relevant category.

(I) Company	(II) Close Corporation	(III) Partnership	(IV) Joint Venture	(V) Sole Proprietor

(I) CERTIFICATE FOR COMPANY

I, chairperson of the Board of Directors of
....., hereby confirm by resolution of the Board (copy attached)
taken on 20....., that

Mr/Ms, acting in the capacity of
....., was authorised to sign all documents in connection
with this tender and any contract resulting from it on behalf of the company.

Signature of Chairman:

Signature of Signatory:

As Witnesses:

1..... Name in Block Letters.....

2..... Name in Block Letters.....

Date:

(II) CERTIFICATE FOR CLOSE CORPORATION

We, the undersigned, being the key members in the business trading as

.....hereby authorise Mr/Ms

acting in the capacity of, to sign all documents

in connection with the tender for Contract No and any contract resulting from it on our behalf.

Signature of Signatory:

As Witnesses:

1..... Name in Block Letters.....

2..... Name in Block Letters.....

Date:

NAME	ADDRESS	SIGNATURE	DATE

Note: *This certificate is to be completed and signed by all of the key members upon whom rests the direction of the affairs of the Close Corporation as a whole.*

MBD 4

DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state¹.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favoritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorized representative declare their position in relation to the evaluating/adjudicating authority.
- 3 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

3.1 Full Name of bidder or his or her representative:.....

3.2 Identity Number:

3.3 Position occupied in the Company (director, trustee, shareholder²):.....

3.4 Company Registration Number:

3.5 Tax Reference Number:.....

3.6 VAT Registration Number:

3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.

3.8 Are you presently in the service of the state? **YES / NO**

3.8.1 If yes, furnish particulars.

.....

¹MSCM Regulations: "in the service of the state" means to be –

- (a) a member of –
 - (i) any municipal council;
 - (ii) any provincial legislature; or
 - (iii) the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) an employee of Parliament or a provincial legislature.

² Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

3.9 Have you been in the service of the state for the past twelve months? **YES / NO**

3.9.1 If yes, furnish particulars.....

.....

3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.10.1 If yes, furnish particulars.

.....

.....

3.11 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.11.1 If yes, furnish particulars

.....

.....

3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.12.1 If yes, furnish particulars.

.....

.....

3.13 Are any spouse, child or parent of the company's directors trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.13.1 If yes, furnish particulars.

.....

.....

3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract. YES / NO

3.14.1 If yes, furnish particulars:

4. Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	State Employee Number

.....
Signature

.....
Date

.....
Capacity

.....
Name of Bidder

MBD 5

DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (VAT INCLUDED)

For all procurement expected to exceed R10 million (VAT included), bidders must complete the following questionnaire:

- 1 Are you by law required to prepare annual financial statements for auditing?**
YES / NO
- 1.1 If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.**
.....
.....
- 2 Do you have any outstanding undisputed commitments for municipal services towards a municipality or any other service provider in respect of which payment is overdue for more than 30 days?**
YES / NO
- 2.1 If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days.**
- 2.2 If yes, provide particulars.**
.....
.....
.....
.....
- 3 Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?**
YES / NO
- 3.1 If yes, furnish particulars**
.....
.....
- 4. Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?**
YES / NO
- 4.1 If yes, furnish particulars**
.....

.....
CERTIFICATION

I, THE UNDERSIGNED (NAME)

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

MBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for specified goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022.

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- 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 applicable preference point system for this tender is the 90/10 preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 The maximum points for this tender are allocated as follows:

	POINTS
PRICE	90
SPECIFIC GOALS	10
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 Nkomazi Local Municipality reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by Nkomazi Local Municipality.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1 POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)} & \mathbf{or} & \mathbf{Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)} \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

3.2 FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.1.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)} & \mathbf{or} & \mathbf{Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)} \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1 In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2 In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
100% black person or people owned enterprise	N/A	2	N/A	
More than 30% woman or women shareholding or owned enterprise	N/A	2	N/A	
more than 30% youth shareholding or owned enterprise	N/A	2	N/A	
More than 30% people living with disability shareholding or owned enterprise	N/A	2	N/A	
Enterprises Located within the Ehlanzeni District Municipality area of jurisdiction	N/A	2	N/A	
Enterprises who will sub-contract minimum of 30% of the contract value to EMEs in the ward or local Municipality where the services to be rendered or to be undertaken.	N/A	2	N/A	
Participate Corporate Social Investment (CSI) – Percentage out of contact amount maximum – 1%	N/A	3	N/A	
Valid B-BBEE level 1 contribution (SANAS accredited B-BBEE certificate for generic enterprise, and for EME and SME a sworn affidavit or CIPC issued certificate confirming annual turnover and level of Black Ownership).	N/A	5	N/A	

5. DECLARATION WITH REGARD TO COMPANY/FIRM

5.1 Name of company/firm.....

5.2 Company registration number:

5.3 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
 - ☐ One-person business/sole propriety
 - ☐ Close corporation
 - ☐ Public Company
 - ☐ Personal Liability Company
 - ☐ (Pty) Limited
 - ☐ Non-Profit Company
 - ☐ State Owned Company
- [TICK APPLICABLE BOX]

5.4 I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I 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 paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering 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) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted 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, if deemed necessary.

..... SIGNATURE(S) OF TENDERER(S)	
SURNAME AND NAME:	
DATE:	
ADDRESS:	
	
	

CONTRACT FORM - PURCHASE OF GOODS/WORKS

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL BIDDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL BIDDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE BIDDER)

1. I hereby undertake to supply all or any of the goods and/or works described in the attached bidding documents to (name of institution)..... in accordance with the requirements and specifications stipulated in bid number..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the purchaser during the validity period indicated and calculated from the closing time of bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
- (i) Bidding documents, viz
 - Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Technical Specification(s);
 - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
 - Declaration of interest;
 - Declaration of bidder's past SCM practices;
 - Certificate of Independent Bid Determination;
 - Special Conditions of Contract;
 - (ii) General Conditions of Contract; and
 - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

PACITY

SIGNATURE

WITNESSES

1

2.

DATE:

NAME OF FIRM.....

DATE

MBD 7.1

CONTRACT FORM - PURCHASE OF GOODS/WORKS

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I..... in my capacity as..... accept your bid under reference numberdated.....for the supply of goods/works indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating delivery instructions is forthcoming.
3. I undertake to make payment for the goods/works delivered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice accompanied by the delivery note.

ITEM NO.	PRICE (ALL APPLICABLE TAXES INCLUDED)	BRAND	DELIVERY PERIOD	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorized to sign this contract.

SIGNED ATON.....

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

WITNESSES

1.

2.

DATE:

MBD 7.2

CONTRACT FORM - RENDERING OF SERVICES

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution)..... in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid.

2. The following documents shall be deemed to form and be read and construed as part of this agreement:

- (iv) Bidding documents, viz
- Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Filled in task directive/proposal;
 - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
 - Declaration of interest;
 - Declaration of Bidder's past SCM practices;
 - Certificate of Independent Bid Determination;
 - Special Conditions of Contract;
- (v) General Conditions of Contract; and
- (vi) Other (specify)

3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.

5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM.....

DATE

WITNESSES

1

2

DATE:

MBD 7.2

CONTRACT FORM - RENDERING OF SERVICES

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I..... in my capacity as..... accept your bid under reference numberdated.....for the rendering of services indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating service delivery instructions is forthcoming.
3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorised to sign this contract.

SIGNED AT ON

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

--

WITNESSES

1

2

DATE:

MBD 7.3

CONTRACT FORM - SALE OF GOODS/WORKS

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL BIDDER (PART 1) AND THE SELLER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL BIDDER AND THE SELLER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE BIDDER)

1. I hereby undertake to purchase all or any of the goods and/or works described in the attached bidding documents from (name of institution)..... in accordance with the requirements stipulated in (bid number)..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the seller during the validity period indicated and calculated from the closing time of bid.

2. The following documents shall be deemed to form and be read and construed as part of this agreement:

- (vii) Bidding documents, viz
- Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Declaration of interest;
 - Declaration of Bidder's past SCM practices;
 - Special Conditions of Contract;
- (viii) General Conditions of Contract; and
- (ix) Other (specify)

3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) quoted cover all the goods and/or works specified in the bidding documents; that the price(s) cover all my obligations and I accept that any mistakes regarding price(s) and calculations will be at my own risk.

4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.

5. I undertake to make payment for the goods/works as specified in the bidding documents.

6. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

7. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM.....

DATE

WITNESSES

1.

2.

DATE:.....

MBD 7.3

CONTRACT FORM - SALE OF GOODS/WORKS

PART 2 (TO BE FILLED IN BY THE SELLER)

4. I..... in my capacity as.....
accept your bid under reference numberdated.....for the purchase of goods/works indicated
hereunder and/or further specified in the annexure(s).

5. I undertake to make the goods/works available in accordance with the terms and conditions of the contract.

ITEM NO.	DESCRIPTION	PRICE (ALL APPLICABLE TAXES INCLUDED)		

4. I confirm that I am duly authorized to sign this contract.

SIGNED ATON.....

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

--

WITNESSES

3.

4.

DATE

MBD 8

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Nkomazi Local Municipality Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by the municipality in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - a. abused the municipality's supply chain management system or committed any improper conduct in relation to such system;
 - b. been convicted for fraud or corruption during the past five years;
 - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's database as a company or person prohibited from doing business with the public sector? (Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the <i>audi alteram partem</i> rule was applied).	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? (To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).	Yes ☐	No ☐
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐
4.3.1	If so, furnish particulars:		
Item	Question	Yes	No
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes ☐	No ☐
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐

4.7.1	If so, furnish particulars:
-------	-----------------------------

CERTIFICATION

**I, THE UNDERSIGNED (FULL NAME.....
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM TRUE ANDCORRECT.**

**I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST
ME SHOULD THIS DECLARATION PROVE TO BE FALSE.**

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

1. This Municipal Bidding Document (MBD) must form part of all bids¹ 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).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD 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 (MBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² 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

MBD 9

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 Municipality / Municipal Entity)

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 consortium³ 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.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

³ 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.

K: MUNICIPAL DECLARATION AND RETURNABLE DOCUMENTS

The following particulars must be furnished in relation to tenders for municipalities and municipal entities where:

- a) consultancy services are required; and
- b) goods, services or a combination thereof where the estimated total of the prices exceeds R 10 million including VAT.

In the case of a joint venture, separate municipal declarations and returnable documents shall be submitted in respect of each partner.

Section 1: Enterprise Details

Name of enterprise:	
Contact person:	
Email:	
Telephone:	
Cell no	
Fax:	
Physical address	
Postal address	

Section 2: Declaration for consultancy services:

The enterprise has been awarded the following consultancy services by an organ of state during the last five years.

Name of organ of state	Estimated number of contracts	Nature of service, e.g, quantity surveying	Service similar to required service (yes / no) ?

Attach separate page as necessary

Section 3 Goods, services or a combination thereof where the estimated total of the prices exceeds R 10 million including VAT

I / we certify that

1) (tick one of the boxes):

- ☐ the enterprise **is not** required by law to prepare annual financial statements for auditing

- ☐ the enterprise is required by law to have audited annual financial statements and attached the audited financial statements for the past three financial years, or since the establishment as the enterprise was established within the past three years.

2) the enterprise and its directors has / have no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days (*ie: all municipal accounts are paid up to date*);

3) source of goods and / or services :

(tick one of the boxes and insert percentages if applicable):

- ☐ goods and / or services are sourced only from within the Republic of South Africa
- ☐ % of the total cost of goods and / or services will be sourced from outside the Republic of South Africa and the percentage of payment from the municipality or municipal entity which is expected to be transferred out of the Republic is . %

I furthermore confirm that the following contracts were awarded to the enterprise by an organ of state during the last five years and attached particulars of any material non-compliance or dispute concerning the execution of such contracts:

Name of organ of state	Estimated number of contracts	Nature of contracts

Attach separate page as necessary

I, the undersigned who warrants that I am duly authorised on behalf of the tendering entity, hereby declare that the contents of this Declaration are within my personal knowledge, and save where stated otherwise are to the best of my belief both true and correct

Signed

Date

Name

Position

Enterprise name

L: KEY PERSONNEL

In terms of the Project Specification, all unskilled workers are to be locally sourced.

The Tenderer shall list below the personnel which he intends to utilize on the Works, including key personnel which may have to be brought in from outside if not available locally.

Category of Employee	Number of Persons					
	Key Personnel, Part of the Contractor's Organisation		Key Personnel to be imported if not available locally		Unskilled Personnel to be recruited from local community	
	PDI	NON-PDI	PDI	NON-PDI	PDI	NON-PDI

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

M: CURRICULUM VITAE OF KEY PERSONNEL – SITE AGENT / CONTRACTS MANAGER

The success of this project will largely depend on the ability of the **Key Personnel** to manage local resources that are largely unskilled. The Tenderer must indicate who they intend using for this function and must list the incumbent's experience.

Failure to provide proof of a suitable candidate to manage the work on a permanent basis on site during the currency of the contract will result in dis-qualification in terms of Clause F.2.1.

Project Manager:	Years with firm:
Qualifications:	
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required Service:</u>	
(Indicate no of years' experience)	

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

N: CURRICULUM VITAE OF KEY PERSONNEL – FOREMAN

Site Agent:	Years with firm:
Qualifications:	
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required Service:</u>	
(Indicate no of years' experience)	

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

O: CURRICULUM VITAE OF KEY PERSONNEL – SAFETY OFFICER

Foreman:	Years with firm:
Qualifications:	
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required Service:</u>	
(Indicate no of years' experience)	

P: CURRICULUM VITAE OF KEY PERSONNEL – PLANT OPERATOR

Foreman:	Years with firm:
Qualifications:	
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required Service:</u>	
(Indicate no of years' experience)	

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

Q: SCHEDULE OF TENDERING FIRM'S EXPERIENCE (SIMILAR WORK AND ENVIRONMENT)

[REFER TO THE TENDER DATA FOR THE SCOPE OF WORK]

PROJECT NAME	DESCRIPTION	VALUE	REFERENCE

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

R: PROVISIONAL PROGRAMME

The Tenderer shall detail below or attach a preliminary programme reflecting the proposed sequence and tempo of execution of the various activities comprising the work for this tender.

The programme must indicate all key activities, time frames and must clearly demonstrate the Tenderer’s understanding of the scope of works.

The competency and clarity of the programme will help to inform the Employer’s assessment of the Tenderer’s eligibility to execute the contract.

PROGRAMME

WEEKS / MONTHS

ACTIVITY

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

S: SCHEDULE OF PLANT AND EQUIPMENT

It is important that the Tenderer be able to demonstrate that he/she has adequate plant and equipment to efficiently execute the proposed scope of works.

The Tenderer's response to this section will be used in assessing the eligibility of the tender offer.

(a) Details of important equipment that is owned by **and is immediately available for this contract.**

Quantity	Description	Size	Capacity

Attach additional pages if more space is required.

(b) Details of important equipment that will be hired, or acquired for this contract if my/our tender is acceptable.

Quantity	Description	Size	Capacity

Attach additional pages if more space is required.

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

T: CONTRACTOR/SERVICE PROVIDER'S HEALTH AND SAFETY DECLARATION

In terms of the Occupational Health and Safety Act No 85 of 1993 a Contractor may only be appointed to perform key services if the *Purchaser* is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the provisions of the Act.

To that effect a person duly authorised by the tenderer must complete and sign the declaration hereafter in detail.

Declaration by Tenderer

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993) herein after referred to as the "Act"
2. I hereby declare that my company has the competence and the necessary resources to safely carry out the services specified under this contract in compliance with the Employer's Health and Safety Specifications.
3. I propose to achieve compliance with the Regulations by one of the following:

(a)	From my own competent resources	*Yes / No
(b)	From my own resources still to be appointed or trained until competency is achieved	*Yes / No
(c)	From outside sources by appointment of competent specialist subcontractors	*Yes / No

(* = *delete whatever is not applicable*)

4. I confirm that copies of my company's approved Health and Safety Plan, will at all times be available for inspection by the *Purchaser's* personnel, Nkomazi Local Municipality officials and inspectors of the Department of Labour.
5. I hereby confirm that adequate provision has been made in my tendered rates and prices in the schedule of quantities to cover the cost of all resources, actions, training and all health and safety measures envisaged in the Act and that I will be liable for any penalties that may be applied for failure to comply with the provisions of the Act.
6. I agree that my failure to complete and execute this declaration to the satisfaction of the *Purchaser* will mean that I am unable to comply with the requirements of the Act and accept that my tender will be prejudiced and may as a result be rejected at the discretion of the *Purchaser*.

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

U: CERTIFIED CIDB GRADING CERTIFICATE

CONTRACT

PART C1: AGREEMENTS AND CONTRACT DATA

PART C2: PRICING DATA

PART C3: SCOPE OF WORK

PART C4: SITE INFORMATION

CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

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C1.2: CONTRACT DATA

C1.2.1: CONDITIONS OF CONTRACT

C1.2.2: PART A: CONTRACT DATA PROVIDED BY THE EMPLOYER

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C1.3: FORM OF GUARANTEE

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C4.1: LOCALITY PLAN

C4.2: CONSTRUCTION NOTICE BOARD

C4.3: TENDER DRAWINGS

C1.1 Form of Offer and Acceptance

Offer

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

BID NUMBER: NKO23/2024

CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

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 OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

..... Rand (in words);
R (in figures)

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.

Signature Block: Tenderer	
Signature	Date
Name	
Capacity	
Name of organization.	
Address of organization	
.....	
Signature of witness	Date
Name of witness	

C1.1 Form of Offer and Acceptance (Continued)

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: Agreements 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 Parts C1 to C4 above.

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) for delivery of any 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 working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding Contract between the parties.

Signature Block: Employer	
Signature	Date
Name	
Capacity	
for the Employer	
Signature of witness	Date
Name of witness	

C1.1 Form of Offer and Acceptance (continued)

Schedule of Deviations

Notes:

1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such, letter, which constitutes a deviation as aforesaid become the subject of agreements reached during the process of, offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here shall also be incorporated into the final draft of the Contract.

Subject

Details

.....

.....

Subject

Details

.....

.....

Subject

Details

.....

.....

Subject

Details

.....

.....

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.

C1.1 Form of Offer and Acceptance (continued)

For the Tenderer:

Signature(s)
Name(s)
Capacity

(Name and address of organization)

Name &
signature of
Witness

For the Employer:

Signature(s)
Name(s)
Capacity

(Name and address of organization)

Name &
signature of
Witness

Confirmation of Receipt

The tenderer, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the (day)

of (month)

20..... (year)

at (place)

For the Contractor:

.....
Signature

.....
Name

.....
Capacity

Signature and name of witness:

.....
Signature

.....
Name

CONSTRUCTION OF DRIKOPPIES COMMUNITY HALL

CONSTRUCTION OF DRIKOPPIES COMMUNITY HALL

CONTRACT DATA

C1.5.1 Contract Specific Data

The Conditions of Contract are clauses 1 to 41 of the JBCC Series 2000 Principal Building Agreement (Edition 5 of July 2007) published by the Joint Building Contracts Committee.

Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors (011-3154140), Master Builders Association (011-205-9000; 057-3526269) South African Association of Consulting Engineers (011-4632022) or South African Institute of Architects (051-4474909; 011-4860684; 053-8312003;)

The JBCC Principal Building Agreement makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the JBCC Principal Building Agreement.

Each item of data given below is cross-referenced to the clause in the JBCC Principal Building Agreement to which it mainly applies.

The additions, deletions and alterations to the JBCC Principal Agreement are:

Clause	Additions, deletions and alterations
1.1	Replace the following definitions in DEFINITIONS AND INTERPRETATIONS with the following wording: AGREEMENT means the agreement arising from the signing of the Form of Offer and Acceptance by the parties. BILLS OF QUANTITIES means the document drawn up in accordance with the Pricing Instructions contained in the Pricing Data. CONSTRUCTION PERIOD means the period commencing on the date of site hand over and ending on the date of practical completion. CONTRACT DOCUMENTS means the Agreement and all documents referenced therein. CONTRACT DRAWINGS means the drawings listed in the Scope of Work. CONTRACT SUM means the total of prices in the Form of Offer and Acceptance. SCHEDULE means the variables listed in the Contract Data. CORRUPT PRACTICE means the offering, giving, receiving and soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution FRAUDULENT PRACTICE means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer, and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition. INTEREST means the interest rates applicable to this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999). SECURITY means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss.
1.6	Any notice given may be delivered by hand, sent by prepaid registered post or telefax. Notice shall be presumed to have been duly given when: Delete sub-clause 1.6.4
3.5	Delete sub-clause 3.5
3.6	Delete sub-clause 3.6.
3.7	Add to the end thereof: The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times.

- 3.9 Delete sub-clause 3.9
- 3.10 Replace the second reference to “principal agent” with the word “employer”.
- 4.3 No clause
- 5.1.2 Under clause 41 – include reference 32.6.3; 34.3; 34.4 and 38.5.8 in terms of which the employer has retained its authority and has not given a mandate to the principal agent and in terms of which the employer shall sign all documents.
- 9 Clause 9.0 is amended by adding Clause 9.1.4:
- The contractor indemnifies and holds harmless the employer against all liability, losses, claims, damages, penalties, actions, proceedings or judgments (collectively referred to as “Losses”) arising from any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the contractor, but such indemnity shall not cover any use of the equipment of part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by instalments or otherwise shall be included by the contractor in the price and shall be paid by him to those to whom they may be payable. The contractor shall reimburse the employer for all legal and other costs and expenses, including without limitation attorney’s fees on attorney-client scale incurred by the employer in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the employer is a party.
- 10.5 Add the following as 10.5:
- Damage to the works
- (a) Without any way limiting the contractor’s obligations in terms of the contract, the contractor shall
bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary.
- (b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising
from damage or destruction of the works and to rebuild, restore, replace and/or repair the works.
- (c) The employer shall carry the risk of damage to or destruction of the works and materials paid for by
the employer that is the result of the expected risks as set out in 10.6.
- Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof.
- 10.6 Add the following as 10.6:
- Injury to Persons or loss of or damage to Properties
- (a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss,
claim or proceeding whether arising in common law or by statute, consequent upon personal injuries
to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable.
- (b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss,
claim or proceeding consequent upon loss of or damage to any moveable, or immovable

property or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable.

(c) The contractor shall upon receiving a contract instruction from the principal agent cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost therefore from the contractor or to deduct the same from amounts due to the contractor.

(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion.

(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed.

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

10.7 Add the following as 10.7:

HIGH RISK INSURANCE

In the event of the project being executed in a geological area classified as a “High Risk Area”, that is an area which is subject to highly unstable subsurface conditions which might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The contractor shall, from the commencement date of the works until the date of the certificate of practical completion, bear the full risk of and hereby indemnifies and hold harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary.

When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, replace and/or repair the works, at the contractor’s own costs.

10.7.2 Injury to persons or loss of or damage to property

The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above.

- The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of construction.
- 10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty one (21) calendar days of the commencement date but before commencement of the works submit to the employer proof of such insurance policy, if requested to do so.
- 10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred subsequent upon the contractor's default of his obligations as set out in 10.7.1, 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered on indivisible whole.
- 15.1.4 Add 15.1.4 as follows:
- An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within fourteen (14) calendar days of date of acceptance of the tender.
- 15.2.1 Under 41: Amend to read as follows:
- Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1
- 20.1.3 No clause.
- 21 Replace sub-clauses 21.1.2 to 21.1.4 and 21.2 to 21.6 with the following:
The contractor and principal agent shall appoint a selected subcontractor in accordance with the provisions of the Scope of Work.
- 29 Clause 29.0 is amended by:-
- The addition of the following clauses:-
- Clause 29.9
"Revision to the date for practical completion shall only be considered when work on the critical path of the agreed programme for the works is delayed."
- Clause 29.10 – Acceleration
- Clause 29.10.1
Irrespective of whether or not the principal agent rules that the contractor is entitled to an extension of time or a revision of the date for practical completion, the principal agent shall nevertheless, at any time, be entitled to instruct the contractor in writing to accelerate the progress of the remaining works to ensure that the works are completed by the original date for practical completion or revised date as the case may be.
- Clause 29.10.2
Upon receipt of such instruction, the contractor shall take all necessary steps to ensure that the works are completed timeously including the provision by him of additional resources, plant, manpower, etc and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The contractor shall prove that such steps are being taken if called upon to do so.
- Clause 29.10.3
The contractor's entitlement to compensation arising out of or in respect of any revision to the date for practical completion that may have been granted by the principal agent or alternatively where the principal agent has instructed the contractor to accelerate, shall be adjudicated strictly in terms of clause 32.

- 30.1 Replace reference to 36.3 at end of sentence with 36.0
- 31.12 Delete “Payment shall be subject to the employer giving the contractor a tax invoice for the amount due.”
- 32.5.1 Add the following to the end of each of these clauses: “... due to no fault of the contractor.”
- 32.5.4
- 32.12 Delete sub-clause
- 34.2 Add # next to 34.2
- 34.13 Replace “seven (7) calendar days” with “twenty one (21) calendar days” and delete the words “subject to the employer giving the contractor a tax invoice for the amount due”
- 36.1 Add the following clauses 36.1.3 to 36.1.5 under 36.1 to read as follows:
- 36.1.3 The contractor’s refusal or neglect to comply strictly with any of the conditions of contract.
- 36.1.4 The contractor’s estate being sequestrated liquidated or surrendered in terms of the insolvency laws in force with the Republic of South Africa.
- 36.1.5 The contractor, in the judgment of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 36.3 Replace “principal agent” with “employer”.
- 1.1 Delete in the Substitute Provisions (41.0 State Clauses) clause 41.1.3 the definitions for
(41.1.3) CONSTRUCTION PERIOD and INTEREST. Sub-clause 1.1 definitions will apply (see contract data)
- 10.1 Delete in the Substitute Provisions (41.0 State Clauses) clauses 10.1, 10.2 and 10.4 so that the
10.2 provisions of sub-clauses 10.1, 10.2 and 10.4 of the non-state clauses will apply to the state.
- 11.1 Delete in the Substitute Provisions (41.0 State Clauses) clause 11.1 so that the provisions of clause
(41.0) 11.1 of the non-state clause will apply to the state.
- 12.1 Delete in the Substitute Provisions (41.0 State Clauses) clause 12.1 so that the provisions of clause
(41.0) 12.1 of the non-state clause will apply to the state and replace “contractor” in clause 10.1 in the Substitute Provisions (41.0 State Clauses) with “The party responsible in terms of 12.1”
- 12.2 Amend the first part of the first sentence in clause 12.2 of the Substitute Provisions (41.0 State
(41.0) Clauses) to read “Where the contractor is responsible for insurances, the contractor shall”
- 31.11.1 Delete in the Substitute Provisions (41.0 State Clauses) sub-clauses 31.11.1 and 31.11.2 so that the
31.11.2 provisions of sub-clause 31.11.1 of the non-state clause will apply to the state.
- 36.7 Add in the Substitute Provisions (41.0 State Clauses) as clauses 36.7, 37.5 and 39.5, the following:
37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the
39.5 employer or the contractor, or for any reason whatsoever, the contractor shall on written
(41.0) instruction, discontinue with the works on a stated date and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever.
- 40.2.1 Delete in the Substitute Provisions (41.0 State Clauses) clauses 40.2.1, 40.2.2, 40.3, 40.4, 40.5 and
40.2.2 40.6 and replace with the following:
40.3 40.1 Should any dispute between the employer, his agents or principal agent on the one hand and
40.4 the contractor on the other arises out of this agreement, such dispute shall be referred to
40.6 adjudication.
(41.0) 40.2 Adjudication shall be conducted in accordance with the edition of the JBCC Rules for

Adjudication current at the time when the dispute is declared. The party, which raises the dispute, shall select three adjudicators from the panel of adjudicators published by the South African Institution of Civil Engineering or Association of Arbitrators (Southern Africa), determine their hourly fees and confirm that these adjudicators are available to adjudicate the dispute in question. The other party shall then select within 7 days one of the three nominated adjudicators, failing which the chairman for the time being of the Association of Arbitrators (Southern Africa) shall nominate an adjudicator. The adjudicator shall be appointed in terms of the Adjudicators Agreement set out in C1.4 .

40.3 Should either party be dissatisfied with the decision given by the adjudicator, dispute shall be finally settled by court proceedings. Neither party shall have recourse to arbitration should they be dissatisfied with the decision given by the adjudicator as all disputes will be decided by a court of law.

The additions to the JBCC Principal Agreement are:

Clause	Additions
A1	A1.0 Labour intensive component of the works A1.1 Payment of labour-intensive component of the works. Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict. A1.2 Applicable labour laws The Ministerial Determination, Special Public Works Programme, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice N° R63 of 25 January 2002, as reproduced below, shall apply to works described in the Scope of Work as being labour intensive and which are undertaken by unskilled or semi-skilled workers. 1 Introduction 1.1 This document contains the standard terms and conditions for workers employed in elementary occupations on a Special Public Works Programme (SPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of a SPWP. 1.2 In this document – (a) “department” means any department of the State, implementing agent or contractor; (b) “employer” means any department, implementing agency or contractor that hires workers to work in elementary occupations on a SPWP; (c) “worker” means any person working in an elementary occupation on a SPWP; (d) “elementary occupation” means any occupation involving unskilled or semi-skilled work; (e) “management” means any person employed by a department or implementing agency to administer or execute an SPWP; (f) “task” means a fixed quantity of work; (g) “task-based work” means work in which a worker is paid a fixed rate for performing a task; (h) “task-rated worker” means a worker paid on the basis of the number of tasks completed (i) “time-rated worker” means a worker paid on the basis of the length of time worked. 2 Terms of Work 2.1 Workers on a SPWP are employed on a temporary basis. 2.2 A worker may NOT be employed for longer than 24 months in any five-year cycle on a SPWP. 2.3 Employment on a SPWP does not qualify as employment as a contributor for the purposes of the Unemployment Insurance Act 30 of 1966. 3 Normal Hours of Work 3.1 An employer may not set tasks or hours of work that require a worker to work–

	(a) more than forty hours in any week; (b) on more than five days in any week; and (c) for more than eight hours on any day.
3.2	An employer and worker may agree that a worker will work four days per week. The worker may then work up to ten hours per day.
3.3	A task-rated worker may not work more than a total of 55 hours in any week to complete the tasks allocated (based on a 40-hour week) to that worker.
4	Meal Breaks
4.1	A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.
4.2	An employer and worker may agree on longer meal breaks.
4.3	A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.
4.4	A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.
5	Special Conditions for Security Guards
5.1	A security guard may work up to 55 hours per week and up to eleven hours per day.
5.2	A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.
6	Daily Rest Period
	Every worker is entitled to a daily rest period of at least eight consecutive hours. The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.
7	Weekly Rest Period
	Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").
8	Work on Sundays and Public Holidays
8.1	A worker may only work on a Sunday or public holiday to perform emergency or security work.
8.2	Work on Sundays is paid at the ordinary rate of pay.
8.3	A task-rated worker who works on a public holiday must be paid –
	(a) the worker's daily task rate, if the worker works for less than four hours; (b) Double the worker's daily task rate, if the worker works for more than four hours.
8.4	A time-rated worker who works on a public holiday must be paid –
	(a) the worker's daily rate of pay, if the worker works for less than four hours on the public holiday; (b) double the worker's daily rate of pay, if the worker works for more than four hours on the public holiday
9	Sick Leave
9.1	Only workers who work four or more days per week have the right to claim sick-pay in terms of this clause.
9.2	A worker who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the worker has worked in terms of a contract.
9.3	A worker may accumulate a maximum of twelve days' sick leave in a year.
9.4	Accumulated sick-leave may not be transferred from one contract to another contract.
9.5	An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.
9.6	An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.
9.7	An employer must pay a worker sick pay on the worker's usual payday.
9.8	Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is –
	(a) absent from work for more than two consecutive days; or

	(b) absent from work on more than two occasions in any eight-week period.
9.9	A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorized to issue medical certificates indicating the duration and reason for incapacity.
9.10	A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.
10	Maternity Leave
10.1	A worker may take up to four consecutive months' unpaid maternity leave.
10.2	A worker is not entitled to any payment or employment-related benefits during maternity leave.
10.3	A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.
10.4	A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.
10.5	A worker may begin maternity leave – (a) four weeks before the expected date of birth; or (b) on an earlier date – (i) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or (ii) if agreed to between employer and worker; or (c) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health.
10.6	A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.
10.7	A worker, who returns to work after maternity leave, has the right to start a new cycle of twenty-four months employment, unless the SPWP on which she was employed has ended.
11	Family responsibility leave
11.1	Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances - (a) when the employee's child is born; (b) when the employee's child is sick; (c) in the event of a death of – (i) the employee's spouse or life partner; (ii) Employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.
12	Statement of Conditions
12.1	An employer must give a worker a statement containing the following details at the start of employment – (a) the employer's name and address and the name of the SPWP; (b) the tasks or job that the worker is to perform; and (c) the period for which the worker is hired or, if this is not certain, the expected duration of the contract; (d) the worker's rate of pay and how this is to be calculated; (e) The training that the worker will receive during the SPWP.
12.2	An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.
12.3	An employer must supply each worker with a copy of these conditions of employment.
13	Keeping records

13.1	Every employer must keep a written record of at least the following – (a) the worker's name and position; (b) in the case of a task-rated worker, the number of tasks completed by the worker; (c) in the case of a time-rated worker, the time worked by the worker; (d) Payments made to each worker.
13.2	The employer must keep this record for a period of at least three years after the completion of the SPWP.
14	Payment
14.1	An employer must pay all wages at least monthly in cash or by cheque or into a bank account.
14.2	A task-rated worker will only be paid for tasks that have been completed.
14.3	An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.
14.4	A time-rated worker will be paid at the end of each month.
14.5	Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.
14.6	Payment in cash or by cheque must take place – (a) at the workplace or at a place agreed to by the worker; (b) during the worker's working hours or within fifteen minutes of the start or finish of work; (c) in a sealed envelope which becomes the property of the worker.
14.7	An employer must give a worker the following information in writing – (a) the period for which payment is made; (b) the numbers of tasks completed or hours worked; (c) the worker's earnings; (d) any money deducted from the payment; (e) the actual amount paid to the worker.
14.8	If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it.
14.9	If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.
15	Deductions
15.1	An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.
15.2	An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.
15.3	An employer who deducts money from a worker's pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.
15.4	An employer may not require or allow a worker to – (a) repay any payment except an overpayment previously made by the employer by mistake; (b) state that the worker received a greater amount of money than the employer actually paid to the worker; or (c) pay the employer or any other person for having been employed.
16	Health and Safety
16.1	Employers must take all reasonable steps to ensure that the working environment is healthy and safe.
16.2	A worker must – (a) work in a way that does not endanger his/her health and safety or that of any other person; (b) obey any health and safety instruction; (c) obey all health and safety rules of the SPWP; (d) use any personal protective equipment or clothing issued by the employer; (e) report any accident, near-miss incident or dangerous behavior by another person to their employer or manager.
17	Compensation for Injuries and Diseases
17.1	It is the responsibility of the employers (other than a contractor) to arrange for all persons employed on a SPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.
17.2	A worker must report any work-related injury or occupational disease to their employer or

	manager. 17.3 The employer must report the accident or disease to the Compensation Commissioner. 17.4 An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. The employer will be refunded this amount by the Compensation Commissioner. This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home. 18 Termination 18.1 The employer may terminate the employment of a worker for good cause after following a fair procedure. 18.2 A worker will not receive severance pay on termination. 18.3 A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement. 18.4 A worker who is absent for more than three consecutive days without informing the employer of an intention to return to work will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period. A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period. 19 Certificate of Service (a) the worker's full name; (b) the name and address of the employer; (c) the SPWP on which the worker worked; (d) the work performed by the worker; (e) any training received by the worker as part of the SPWP; (f) the period for which the worker worked on the SPWP; (g) any other information agreed on by the employer and worker.
A2	A2.0 Expanded Public Works Programme A2.1 The Contractor will be required to employ staff which satisfies the EPWP requirements as per the Guidelines for the implementation of labour-intensive infrastructure projects under the EPWP and as stipulated in this Contract.
A3	A3.0 Mandatory Training A3.1 The Contractor will be required to provide training to sub-contractors. An allowance for this has been made in the final summary of the bills of quantities, which will be treated as a budgetary allowance which the Contractor can use for training and which may be deducted in part or in whole from the project should it not be used.

Part 1: Contract Data Completed by the Employer

Clause	Item and data
1.2	The Employer is the Nkomazi Local Municipality The employer contact person is: Ms Gift Mbatsane Telephone: 013 790 0245 Ms Gift Mbatsane Telephone: (013) 790 0245 Address (physical): 9 Park Street, Malelane, 1320 Address (postal): Private Bag X101, Malelane, 1320
5.1	The Principal Agent is LPS Consulting (Pty) Telephone: 013 744 6070 Address (physical): 12 SUIKERRIET STREET, NELSPRUIT 1200

Address (postal): P.O. Box 654, Shongwe Mission, 1200

5.2

Agent (1) is
Agent's service
Telephone:
Facsimile:
Address (physical):
Address (postal):

5.3

Agent (2) is
Agent's service
Telephone:
Facsimile:
Address (physical):
Address (postal):

5.4

Agent (3) is
Agent's service
Telephone:
Facsimile:
Address (physical):
Address (postal):

1.1

The Works comprise Construction of DRIEKOPPIES COMMUNITY HALL (Refer to document C3 – Scope of Works)

1.1

The Site .

1.1

The Works or installations to be undertaken by direct contractors comprises

22.2

NONE

41.0

The Employer is an organ of State

31.11.2

11.2

The interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) will apply.

31.4.2

Lateral support insurance is / not to be effected by the contractor

26.1.2

Payment will be made for materials and goods

Extended defects liability period will apply to the following elements:

NOT APPLICABLE

15.2.1

Possession of the site is to be given on the date in the schedule providing the employer with construction guarantees in accordance with the provisions of 14.0.

15.3

The period for the commencement of the works after the contractor takes possession of the site is ten (10) working days.

For the works as a whole:

The date for practical completion is 6 months after contractual commencement date

The penalty per calendar day is R2500

or

Section	Date	Penalty Amount
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Section 1

Section 2

Section 3

1.2	The law applicable to the agreement shall be that of the Republic of South Africa.
10.1; 10.2 and 12.1	Contract insurance is to be effected by the contractor.
10.1	Contract works insurance is to be effected by the contractor for a sum not less than the contract
10.2	sum plus 10% with a deductible in an amount that the contractor deems appropriate.
12.1	
10.1	Supplementary insurance is required. Such insurance shall comprise a Coupon Policy for Special
10.2	Risks issued by the South African Special Risk Insurance Association.
12.1	
11.1, 12.1	Public liability insurance to be effected by the contractor for an amount of R1,000,000.00 with a deductible in an amount as determined by the contractor's insurance company.
11.2, 12.1	Support insurance to be effected by the contractor for the sum of NOT APPLICABLE with a deductible in an amount that the contractor deems appropriate.
3.3, 15.1.3, 31.16.2	A waiver of the contractor's lien or right of continuing possession is not required.
3.7	Three copies of the construction document are to be supplied to the contractor free of charge.
3.4	JBCC Engineering General Conditions are not to be included in the contract document.
31.5.3	The contract value is / is not to be adjusted using CPAP indices. The base month for the application of CPAP is the month of the closing of the tender and the following alternative indices are applicable: June 2024
31.3	There is no latest day of the month for the issue of an interim payment certificate.
14.5	The employer will not provide advanced payments against an advanced payment guarantee.
14.2 14.4	The construction guarantee is to be a fixed guarantee in an amount of 7.5% of the contract sum and payment reduction
40.0	Dispute resolution shall be by adjudication or Dispute determinations shall be by arbitration
Clause	Item and data

1.2	The name of the Contractor is. The address of the contractor is: Telephone: Facsimile: Address (physical): Address (postal):
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CONSTRUCTION OF DRIKOPPIES COMMUNITY HALL

CONSTRUCTION OF DRIKOPPIES COMMUNITY HALL IN NKOMAZI LOCAL MUNICIPALITY

BID: NKO23/2024

C2 PRICING DATA

C2.1 Pricing Instructions

1 The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:

- a) Civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardized Specifications for Civil Engineering Works.
- b) Mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Refrigeration, Air-Conditioning and Ventilation Installations, published by the South African Association of Quantity Surveyors, July 1990).
- c) electrical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).

2 The agreement is based on the JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 4.1, and March 2005. The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.

3 Preliminary and general requirements are based on the various parts of the JBCC Series 2000 Preliminaries as prepared by the Joint Building Contracts Committee, Edition 4.1, and March 2005. The additions, deletions and alterations to the various parts of the JBCC Series 2000 Preliminaries as well as the contract specific variables are as stated in the Specification Data in the Scope of Work. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.

4 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).

5 The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of payment for additional work that may have to be carried out.

6 The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are kept by the quantity surveyor and can be viewed at any time during office hours up until the completion of the works.

7 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted.

8 The rates contained in the Bills of Quantities will apply irrespective of the final quantities of the different classes and kinds of work actually executed.

9 Rates for work of similar description occurring in different sections of the Bills of Quantities shall be identical.

10 An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.

11 Where any item is not relevant to this specific contract, such item is marked N/A (signifying “not applicable”)

12 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminary and General) of the Bills of Quantities

13 The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.

14 The amount of the Preliminary and General Section to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices

excluding any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract.

15 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 14 but taking into account the revised period for completing the works.

16 The amount or items of the Preliminary and General Section shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:

- a) an amount which is not to be varied, namely Fixed (F)
- b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
- c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).

17 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 12 apply or where no selection is made, the adjustments shall be based on the following breakdown:

- a) 10 percent is Fixed;
- b) 15 percent if Value Related
- c) 75 percent is Time Related.

18 The adjustment of the Preliminary and General Section shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminary and General Section shall exclude any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.

19 All work is to be constructed using labour-intensive methods. The use of plant to provide such works, other than plant specifically provided for in the scope of works, is a variation order to the contract

20 Payment for items, which are designated to be constructed under labour-intensively, will not be made unless they are constructed using labour-intensive methods. Any unauthorized use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.

21 The tenderer is to acquaint him as to the specific requirements of this tender as contained in additional clauses A1 to A2 to the JBCC Principal Agreement as incorporated in the Contract Data. These clauses may be priced under the relevant Preliminaries items in SECTION C: SPECIFIC PRELIMINARIES of the Preliminaries Bill. No claim will be entertained due to the failure of the tenderer to allow for these requirements

CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL IN NKOMAZI LOCAL MUNICIPALITY

BID: NKO23/2024

C2.2 Bill of Quantities

BILL OF QUANTITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 1				
	BILL NO. 1				
	PRELIMINARIES AND GENERAL				
	NOTES				
	i) The agreement is to be the General Conditions of Contract for Works of Civil Engineering Construction (2015) (Third Edition) , published by the S. A. Institution Of Civil Engineering				
	ii) The Preliminaries are to be the Construction and management requirements for works contracts - Part 1: General engineering and construction works (SANS 1921-1: 2004 Edition 1) prepared by Standards South Africa and shall be deemed to be incorporated herein				
	iii) Tenderers are referred to the abovementioned 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 entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading				
	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")				
	vi) Adjustment of the preliminaries: each item priced, is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time				
	vii) Time (T) related Preliminaries will only be adjusted for omissions or additions, issued by the Employer, or delays caused by the Employer, for which variation and extension of time has been granted.				
	The JBCC Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described				
	The JBCC Principal Building Agreement Contract Data EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement				
	The ASQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities				
	Contractors are referred to the abovementioned documents for the intent and meaning of each clause thereof				
	These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents				
	Where any item is not relevant to this specific agreement such item is marked N/A (signifying "not applicable")				

	PREAMBLES FOR TRADES				
	The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained				
	Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles				
	The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles				
	PRICING OF PRELIMINARIES				
	Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)				
	SECTION A: PRINCIPAL BUILDING AGREEMENT				
	Definitions (A1)				
1	Clause 1.0 - Definitions and interpretation The measuring system used for the preparation of the bills of quantities is the Standard System of Measuring Building Work (sixth edition, revised 1999) published by the Association of South African Quantity Surveyors [1.1] F:..... V:..... T:.....	Item			
	Objective and preparation (A2 - A14)				
2	Clause 2.0 - Offer acceptance and performance obligations F:..... V:..... T:.....	Item			
3	Clause 3.0 - Documents Refer to Annexure A for a list of the contract drawings Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) [3.5] The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any [3.9] F:..... V:..... T:.....	Item			
4	Clause 4.0 - Design responsibility F:..... V:..... T:.....	Item			
5	Clause 5.0 - Employer's agents F:..... V:..... T:.....	Item			
6	Clause 6.0 - Contractor's site representative F:..... V:..... T:.....	Item			
7	Clause 7.0 - Compliance with laws and regulations Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [7.1] F:..... V:..... T:.....	Item			
8	Clause 8.0 - Works risk F:..... V:..... T:.....	Item			
9	Clause 9.0 - Indemnities F:..... V:..... T:.....	Item			
10	Clause 10.0 - General insurances F:..... V:..... T:.....	Item			
Carried forward					

Brought forward					
11	Clause 11.0 - Special insurances F:..... V:..... T:.....	Item			
12	Clause 12.0 - Effecting insurances F:..... V:..... T:.....	Item			
13	Clause 13.0 - Assignment F:..... V:..... T:.....	Item			
14	Clause 14.0 - Security F:..... V:..... T:.....	Item			
	Execution (A15 - A23)				
15	Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....	Item			
16	Clause 16.0 - Site and access Certain areas will be occupied during the construction period and the contractor must execute the works with as little noise and disturbance as possible to the occupants. [16.6] F:..... V:..... T:.....	Item			
17	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item			

Carried forward					
Brought forward					
18	Clause 18.0 -Setting out of the works The contractor shall notify the principal agent if any encroachment of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments [18.1] F:..... V:..... T:.....	Item			
19	Clause 19.0 - Temporary works and plant Clause 19.1.1 - Enclosure of the works F:..... V:..... T:.....	Item			
20	Clause 19.1.2 - Office accommodation - provide suitable office accomodation for site meetings with tables and chairs for ten people F:..... V:..... T:.....	Item			
21	Clause 20.0 - Nominated subcontractors Refer to the provisions on general attendance hereinafter F:..... V:..... T:.....	Item			
Carried forward					

Brought forward				
22	Clause 21.0 - Selected subcontractors General attendance of n/s subcontractors for pricing by the contractor shall be in accordance with the n/s agreement. Notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as may reasonably be required by such n/s subcontractor for the execution of the relevant subcontract work F:..... V:..... T:.....	Item		
23	Clause 22.0 - Employer's direct contractors F:..... V:..... T:.....	Item		
24	Clause 23.0 - Contractor's domestic subcontractors F:..... V:..... T:.....	Item		
	Completion (A24 - A30)			
25	Clause 24.0 - Practical completion F:..... V:..... T:.....	Item		
26	Clause 25.0 - Works completion F:..... V:..... T:.....	Item		
27	Clause 26.0 - Final completion F:..... V:..... T:.....	Item		
28	Clause 27.0 - Latent defects liability period F:..... V:..... T:.....	Item		
29	Clause 28.0 - Sectional completion F:..... V:..... T:.....	Item		
30	Clause 29.0 - Revision of date for practical completion The removal and replacement of materials and/or workmanship which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3) F:..... V:..... T:.....	Item		
31	Clause 30.0 - Penalty for late or non-completion: 0.05% of the Contract Amount inclusive of Value Added Tax per Calendar day F:..... V:..... T:.....	Item		
	Payment (A31 - A35)			
32	Clause 31.0 - Interim payment Materials and goods stored off site shall not be included in the amount authorised for payment [31.6.5] F:..... V:..... T:.....	Item		
Carried forward				

Brought forward				
33	Clause 32.0 - Adjustment to the contract value - NOT APPLICABLE All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [32.13] Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the agreement and notwithstanding the fact that such prices may be used in an interim payment certificate there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims for loss of profit shall not be entertained [32.2] F:..... V:..... T:.....			
34	Clause 33.0 - Recovery of expense and loss F:..... V:..... T:.....	Item		
35	Clause 34.0 - Final account and final payment F:..... V:..... T:.....	Item		
36	Clause 35.0 - Payment to other parties F:..... V:..... T:.....	Item		
Termination (A36 - A39)				
37	Clause 36.0 - Termination by employer - contractor's default F:..... V:..... T:.....	Item		
38	Clause 37.0 - Termination by employer - loss and damage F:..... V:..... T:.....	Item		
39	Clause 38.0 - Termination by contractor - employer's default F:..... V:..... T:.....	Item		
40	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:.....	Item		
Dispute (A40)				
41	Clause 40.0 - Settlement of disputes F:..... V:..... T:.....	Item		
Contract variables (A41 - A42)				
42	Clause 41.0 - Post tender provisions The contractor is to complete and submit with his tender the JBCC Principal Building Agreement Contract Data CE F:..... V:..... T:.....	Item		
43	Clause 42.0 - Contractual agreement The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties F:..... V:..... T:.....	Item		
Carried forward				

			Brought forward		
	SECTION B: PRELIMINARIES				
	Definitions and interpretation (B1)				
44	Clause 1.0 - Definitions and interpretation F:..... V:..... T:.....	Item			
	Documents (B2)				
45	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item			
46	Clause 2.2 - Provisional bills of quantities F:..... V:..... T:.....	Item			
47	Clause 2.3 - Availability of construction documentation The budgetary allowances and selected subcontract amounts allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of selected subcontractors during the construction period F:..... V:..... T:.....	Item			
	Previous work and adjoining properties (B3)				
48	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item			
49	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item			
50	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item			
	Samples, shop drawings and manufacturer's instructions (B4)				
51	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item			
52	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item			
53	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item			
54	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item			
	Deposits and fees (B5)				
55	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item			
	Temporary services (B6)				
56	Clause 6.1 - Water F:..... V:..... T:.....	Item			
57	Clause 6.2 - Electricity F:..... V:..... T:.....	Item			
58	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item			
59	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item			
			Carried forward		

			Brought forward	
	Prime cost amounts (B7)			
60	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item		
	Special attendance on n/s subcontractors (B8)			
61	Clause 8.1 - Special attendance F:..... V:..... T:.....	Item		
	General (B9)			
62	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item		
63	Clause 9.2 - Protection/isolation of existing/ occupied works Certain areas of the sitewill be occupied during the construction period (see item 4 page 14) F:..... V:..... T:.....	Item		
64	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item		
65	Clause 9.4 - Notice before covering work F:..... V:..... T:.....	Item		
66	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item		
67	Clause 9.6 - Environmental disturbance F:..... V:..... T:.....	Item		
68	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item		
69	Clause 9.8 - Vermin F:..... V:..... T:.....	Item		
70	Caluse 9.9 - Overhand work F:..... V:..... T:.....	Item		
	Schedule of variables (B10)			
	Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract			
	10.1 - Provisional bills of quantities [2.2] The quantities are provisional			
	10.2 - Availability of construction documentation [2.3] Construction documentation is complete			
	10.3 - Previous work - dimensional accuracy [3.1]			
	10.4 - Previous work - defects [3.2]			
	10.5 - Inspection of adjoining properties [3.3]			
	10.6 - Water [7.2] Option A (by contractor)			
	10.7 - Electricity [7.3] Option A (by contractor)			
	10.8 - Telecommunications [7.4] Telephone			
	10.9 - Ablution facilities [7.5] Option A (by contractor)			
	10.10 - Protection of the works [9.1]			
	10.11 - Protection/isolation of existing/sectionally occupied			
	10.12 - Disturbance [9.5]			
	10.13 - Environmental disturbance [9.6]			
			Carried forward	

				Brought forward	
	SECTION C: SPECIFIC PRELIMINARIES				
	Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included				
71	Black economic empowerment and training F:..... V:..... T:.....	Item			
72	Proprietary branded products F:..... V:..... T:.....	Item			
	The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative				
73	Contract instructions F:..... V:..... T:.....	Item			
	Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor				
74	Labour record F:..... V:..... T:.....	Item			
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week				
75	Plant record F:..... V:..... T:.....	Item			
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week				
76	Guarantees F:..... V:..... T:.....	Item			
	Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement				
77	Overtime F:..... V:..... T:.....	Item			
	Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer				
78	Co-operation of contractor for cost management F:..... V:..... T:.....	Item			
	It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors				
79	Occupational Health and Safety Specification F:..... V:..... T:.....	Item			
				Carried forward	

Brought forward					
	The contractor shall comply with all the requirements set out in the Construction Regulations 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including extension of time or interest, due to such delay of payment. Provisions for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.				
80	Allow for the compulsory equipment and clothing, ie hats, safety shoes, safety clothing, safety glasses, safety masks, harnesses, etc F:..... V:..... T:.....	Item			
81	Allow for all compulsory health and safety posters, boards, etc F:..... V:..... T:.....	Item			
82	Allow for all compulsory health and safety workshops, meetings, lectures, demonstrations, etc F:..... V:..... T:.....	Item			
83	Allow for all compulsory health and safety pamphlets, cards, paperwork, etc to each worker, consultant, public individual, etc coming onto the site F:..... V:..... T:.....	Item			
84	Allow for compulsory health and safety files that must be completed daily and must be handed to the employer on completion of the contract F:..... V:..... T:.....	Item			
85	Scope of Application as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
86	Notification of Construction Work as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
87	Employer's responsibilities as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
88	Principal Contractor's responsibility as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
89	Supervision of construction work as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
90	Risk assessment as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
91	Fall protection as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
92	Structures Formwork and Support as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
93	Excavation as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
94	Demolition work as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
95	Tunnelling as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
96	Scaffolding as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
97	Suspended platforms as per Act No 85 of 1993 F:..... V:..... T:.....	Item			

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98	Botswains chairs as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
99	Materials hoists as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
100	Batch plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item			
Carried forward					

Brought forward				
101	Explosive powered tools as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
102	Cranes as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
103	Construction vehicles and mobile plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
104	Electrical installations and machinery on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
105	Use and temporary storage of flammable liquids on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
106	Water environments as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
107	Housekeeping on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
108	Stacking and storage on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
109	Fire precautions as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
110	Construction welfare as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
111	Approved inspection Authorities as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
112	Offences and penalties as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
113	Repeal of regulations as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
114	Short title as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
115	Obligatory Sub-contracting and Training F:..... V:..... T:.....	Item		
	The Contractor shall sub-contract 40% of the work to Domestic Sub-contractors as listed in the Schedule of Sub-Contractors in the Returnable Schedules The Principal Agent and the Contractor shall at all times make sure that the work complies with the relevant specifications, standards and norms as contained in this tender. The Principal Agent and the Contractor shall provide for the necessary skills transfer and assistance to complete the sub-contracted section of the works. The Principal Agent and the Contractor shall provide the necessary documentation to the Domestic Sub-Contractor for upgrading of the rating by CIDB. BEE Sub- Contractors must be 100% black owned and have offices in Mpumalanga Province			
116	Expanded Public Works Programme F:..... V:..... T:.....	Item		
Carried forward				

Brought forward					
	The Contractor shall study the guidelines for the implementation of labour-intensive infrastructure projects under the Expanded Public Works Programme (EPWP) attached to this document. The Contractor shall take note of the requirements and inform all selected and or other sub-contractors, as no claim afterwards will be entertained				
117	Local and targeted labour F:..... V:..... T:.....	Item			
118	Allow for regular submission of proof of employment of local skilled and unskilled labour to Employer's representative F:..... V:..... T:.....	Item			
119	Training allowance paid to targeted labour in respect of formal training. F:..... V:..... T:.....	Item			
120	Extra over for the administration of payment of training allowances to targeted labour F:..... V:..... T:.....	Item			
121	Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site F:..... V:..... T:.....	Item			
122	Contract drawings F:..... V:..... T:.....	Item			
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent				
123	General preambles F:..... V:..... T:.....	Item			
124	Trade names F:..... V:..... T:.....	Item			
	Wherever a trade name form any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for				
125	C16: SANS 1921-6: HIV/AIDS Awareness read in conjunction with the Associated Specification Data F:..... V:..... T:.....	Item			
126	General requirements (Clause 4.1) F:..... V:..... T:.....	Item			
127	HIV/AIDS awareness programme (Clause 4.2) F:..... V:..... T:.....	Item			
128	Reporting (Clause 4.3) F:..... V:..... T:.....	Item			
	SUMMARY OF CATEGORIES				
	Category : Fixed R..... Category : Value R..... Category : Time R.....				
	TOTAL CARRIED TO FINAL SUMMARY				

	SECTION NO. 2				
	BILL NO. 1				
	ALTERATIONS (PROVISIONAL)				
	RENOVATIONS OF EXISTING COMMUNITY BUILDING				
	Allow the amount of R 500 000.00 (Five Hundred Thousand) for renovations of existing community building	Item	1,00	500 000,00	500 000,00
	TOTAL CARRIED TO FINAL SUMMARY				500 000,00

	SECTION NO. 3				
	BILL NO. 1				
	EARTHWORKS (PROVISIONAL)				
	(CPAP WORK GROUP 104 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	For preambles see "Model Preambles for Trades"				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	Carting away of excavated material				
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.				
	EXCAVATION OTHER THAN BULK				
	Excavation in earth not exceeding 2m deep				
1	Trenches	m3			Rate only
2	Holes	m3			Rate only
	EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER				
	Extra over trench and hole excavations in earth for excavation in				
3	Soft rock	m3			Rate only
4	Hard rock	m3			Rate only
	Extra over all excavations for carting away				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3			Rate only
	Risk of collapse of excavations				
6	Sides of trench and hole excavations not exceeding 1,5m deep	m2			Rate only
	Keeping excavations free of water				
7	Keeping excavations free of all water other than subterranean water	Item			Rate only
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density				
8	Backfilling to trenches, holes, etc	m3			Rate only
9	Under floors, steps, pavings, etc	m3			Rate only
	Earth filling supplied by the Contractor in accordance with SABS 1200 DM, compacted to 93% Mod AASHTO density:				
10	Under floors.	m3			Rate only
	Coarse river sand filling supplied by the contractor				
11	Under floors etc	m3			Rate only
	Compaction of surfaces:				
12	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking adding decomposed dolerite material where necessary.	m2			Rate only
	Prescribed density tests on filling:				
13	Modified AASHTO Density test	No			Rate only

	SOIL POISONING				

	Soil insecticide				
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2			Rate only
15	To bottoms and sides of trenches	m2			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 2				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	(CPAP WORK GROUP 110 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	For preambles see "Model Preambles for Trades"				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately).				
	Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.				
	Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	10MPa/20mm concrete				
1	Surface blinding under footings and bases (Provisional)	m3			Rate only
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
2	25 Mpa: 700x300mm Strip footings	m3			Rate only
3	2000 x 1700mm Concrete bases	m3			Rate only
4	150mm Surface bed slab	m3			Rate only
5	85mm Surface bed slab	m3			Rate only
6	Columns in foundations	m3			Rate only
	REINFORCED CONCRETE CAST AGAINST FORMWORK				
	25MPa/19mm concrete				
7	Slabs including beams and inverted beams	m3			Rate only
8	Ramps	m3			Rate only
9	Steps, urinal steps, cupboard platforms, etc	m3			Rate only
10	Stair including landings, beams and inverted beams	m3			Rate only
11	Isolated beams	m3			Rate only

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12	Concrete aprons cast in panels, laid to fall in 1:200, with control joints filled with polysulphide sealant, every 3000mm centres.	m3	19,00		-
13	Columns	m3			Rate only
	TEST BLOCKS				
14	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No			Rate only
Carried forward					

				Brought forward	
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete to a Class U2 wood float finish				
15	Surface beds, slabs, etc to falls	m2			Rate only
	30MPa non-shrink grout				
16	Bedding approximately 25mm thick under 350 x 420mm base plate including chamfered edges all round	No			Rate only
	FORMWORK (CPAP Work Group 111 UNLESS OTHERWISE STATED)				
	ROUGH FORMWORK (DEGREE OF ACCURACY II)				
	Rough formwork to sides				
17	Square columns	m2			Rate only
18	Square columns in foundations	m2			Rate only
19	Bases	m2			Rate only
20	Edges, risers, ends, reveals, etc. not exceeding 300mm high or wide	m			Rate only
21	Stepped outer edge of stairs not exceeding 300mm high	m			Rate only
	Rough formwork to soffits				
22	Slabs propped up exceeding 1,5m and not exceeding 3,5 high	m2			Rate only
23	Landings	m2			Rate only
24	Stairs with sloping soffits	m2			Rate only
	Rough formwork to sides and soffits				
25	Beams propped up exceeding 1,5m and not exceeding 3,5m high	m2			Rate only
26	Isolated beams propped up exceeding 1,5m and not exceeding 3,5m high	m2			Rate only
	MOVEMENT JOINTS, ETC				
	Slip joint formed of two layers 375micron embossed damp proof courses between horizontal concrete and brick surfaces including cement mortar bed				
27	Not exceeding 300mm wide	m			Rate only
	Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete and/or brick surfaces				
				Carried forward	

		Brought forward			
28	10mm Joints not exceeding 300mm high	m			Rate only
	Saw cut joints				
29	5 x 40mm Saw cut joints in two operations in top of concret	m			Rate only
	REINFORCEMENT (PROVISIONAL)				
	Mild steel reinforcement				
30	8mm Diameter bars	t			Rate only
	High tensile steel reinforcement:				
31	10mm Diameter bars	t			Rate only
32	12mm Diameter bars	t			Rate only
33	16mm Diameter bars	t			Rate only
34	20mm Diameter bars	t			Rate only
35	25mm Diameter bars	t			Rate only
	Fabric reinforcement				
36	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				-

	SECTION NO. 3				
	BILL NO. 3				
	MASONRY				
	(CPAP WORK GROUP 116 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	BRICKWORK				
	Sizes in descriptions				
	Face bricks				
	Bricks shall be ordered timeously to obtain uniformity in size and colour				
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.				
	FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar including galvanised crimp wire wall ties (7 per m2 laid staggered)				
1	One brick walls				
2	Brick Pier				
	SUPERSTRUCTURE				
	Brickwork of NFP bricks in class II mortar including galvanised crimp wire wall ties (7 per m2 laid staggered)				
3	Half brick walls in beamfilling	m2			Rate only
4	Half brick walll	m2			Rate only
5	Half brick kerbs 170mm high	m			Rate only
6	One brick walls	m2	131,00		-
7	Brick Pier	m3			Rate only
	BRICKWORK SUNDRIES				
	Brickwork reinforcement				
8	75mm Wide reinforcement built in horizontally				
9	150mm Wide reinforcement built in horizontally	m			Rate only
	Prestressed fabricated lintels				
10	110 x 75mm Lintels in lengths not exceeding 3m	m			Rate only
11	110 x 75mm Lintels in lengths exceeding 4,5m and not exceeding 6m	m			Rate only
	Turning pieces				
12	115mm Wide turning piece to lintels etc	m			Rate only
	Air bricks etc				
13	229 x 152mm Terra-cotta vermin proof air brick (Provisional)	No	150,00		-
	Galvanised hoop iron cramps, ties, etc				

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14	25 x 1,2mm Wall tie 800mm long with one end shot pinned to concrete and other end built into brickwork	No			Rate only
15	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No			Rate only
	FACE BRICKWORK				
	Corobrik® Midrand 27-40MPa Firelight Imperial FBX clay face brick, size 222 x 106 x 73mm, manufactured in accordance with 227:2007, bedded and jointed in Class I mortar and pointed with flush vertical and flush horizontal joints, suitable for exposure zones 1-4.				
		Carried forward			

		Brought forward			
16	Extra over brickwork for face brickwork	m2			Rate only
17	Fair cutting at squint quoin or birdsmouth angle	m			Rate only
	NUTEC-CEMENT WINDOW SILLS				
	Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc				
18	15 x 150mm Wide sills set flat and slightly projecting	m	66,00		
19	15 x 175mm Wide window sills set sloping and slightly projected	m	14,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 4				
	WATERPROOFING				
	(CPAP WORK GROUP 120 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	DAMP-PROOFING OF WALLS AND FLOORS				
	One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course				
1	In walls	m2			Rate only
	One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"				
2	Under surface beds	m2			Rate only
	JOINT SEALANTS, ETC				
	Denbraven LM15 polysulphide sealing compound including backing cord, bond breaker, primer, etc				
3	5 x 40mm In saw cut joints in floors	m			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 5				
	ROOF COVERINGS ETC				
	(CPAP WORK GROUP 124 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	NOTE: 1) The installation of Roof Coverings is to comply with SABS Code of Practice 0237 as applicable2) All roof sheeting shall be laid under a 5 year written guarantee for site workmanship and water tightness3) All roof sheeting to be fixed strictly in accordance with the manufacturer's instructions including fasteners, stop endings, etc.4) Allowance shall be made in the rates for mastic sealant to all side laps				
	PROFILED METAL SHEETING AND ACCESSORIES				
	0,6mm "IBR" Z275 spelter galvanised troughed sheet steel with "globalcoat" finish on one side in single lengths fixed to steel purlins and 0,6mm galvanised sheet steel accessories with "globalcoat" finish on one side				
1	Roof covering with pitch not exceeding 25 degrees	m2	1 640,79		
2	Ridge capping 450mm girth	m	110,00		
3	Head wall flashings 308mm girth	m	54,00		
4	Sidewall flashing 308mm girth	m	49,00		
5	Cover flashing 154mm girth	m	36,00		
	ROOF AND WALL INSULATION				
	Sisalation 410 housing grade glass fibre reinforced aluminium foil bonded insulation				
6	Insulation laid taut over rafters (at approximately 1 200mm centres) and fixed concurrent with battens, purlins, etc	m2	1 825,38		
	SHEET METAL FLASHINGS, LININGS, COPINGS, ETC				
	0,6mm Galvanised sheet iron with "globalcoat" finish on one side				
7	Linings to valleys with riveted and soldered joints	m2	242,00		
	TOTAL SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 6				
	CARPENTRY AND JOINERY				
	(CPAP WORK GROUP 126 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	NOTE: Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	Particle board:				
	Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type				
	Joinery:				
	Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes				
	Fixing				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete				
	Decorative laminate finish:				
	Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish				
	EAVES , VERGES , ETC				
	Everite medium density plain nutec-cement				
4	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	232,00		
	DOORS ETC				
	Security door				
5	2032 x 1650 x 44mm Thick C.K.S framed batten door of 150 x 44mm thick stiles and top well as 230 x 22mm thick bottom rail with V-jointed boarding one side and filled back with 6mm thick plywood panel with veneer to match door, and including rebates all round (D04)	No	1,00		
	Solid flush door with 3.2mm tempered hardwood facings and two hardwood edge strips				
6	40mm Door 813 x 1815mm high (D07)	No	27,00		
	NOTICE BOARDS, KEYBOARDS, DUCKBOARDS, ETC				
	Softboard				
7	12mm Pinning boards glued to plastered walls	m2	7,00		
	FITTINGS				
	Fittings to Hall				
8	Timber seating bench 788 x 300 x 480mm high with slats, frame, bolts and steel hangers complete as per detail and varnished	No	5,00		

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9	Timber seating bench 2 297 x 500 x 480mm high with slats, frame, bolts and steel hangers complete as per detail and varnished	No	2,00		
10	Timber seating bench 3 145 x 500 x 480mm high with slats, frame, bolts and steel hangers complete as per detail and varnished	No	2,00		
11	Timber seating bench 6 860 x 300 x 480mm high with slats, frame, bolts and steel hangers complete as per detail and varnished	No	2,00		
Carried forward					

Brought forward					
12	Vanity slab 3 537 x 560 x 350mm high with 5 wash hand basins cut in from 32mm supawood with wilsonart graphite nebula (code 4623) laminated 0,7mm thick with bullnose front edge and fascia complete as per detail	No	1,00		
13	Vanity slab 4 011 x 560 x 350mm high with 6 wash hand basins cut in from 32mm supawood with wilsonart graphite nebula (code 4623) laminated 0,7mm thick with bullnose front edge and fascia complete as per detail	No	1,00		
	Fittings to kitchen				
14	Provide the amount of R 50 000.00 (Fifty Thousand Rand) for the manufacturing, supplying and installing kitchen unit complete	Item	1,00	50 000,00	50 000,00
15	Allow for contractor's profit on above item	%	1,00		
	Fittings to Computer room				
16	Floor cupboard to teacher's room, 1 200 x 551 x 2 100mm high overall comprising top, bottom, sides, divisions, shelves, backs, doors, etc as per architects drawing	No	1,00		
17	Worktop with legs 8240 mm long x 800mm wide x 714 mm high overall with 215 mm high edge panel to back and sides, comprising frame, tops, etc as per architects drawing	No	1,00		
18	Worktop with legs 4120mm long x 800mm wide x 714 mm high overall with 215 mm high edge panel to back and sides, comprising frame, tops, etc as per architects drawing	No	2,00		
19	Shelving 350mm wide made up of 25mm thick hardwood top and 250 x 250mm high triangular mild steel brackets bolted to wall complete with paint and varnish as per architects drawing	m	16,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 7				
	CEILINGS, PARTITIONS AND ACCESS FLOORING				
	NOTE:				
	Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 129 for CPAP formula purposes.				
	SUPPLEMENTARY PREAMBLES				
	Descriptions				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere.				
	CEILINGS ETC				
	Aerolite insulation				
1	75mm Insulation closely fitted and laid on top of branderling between roof timbers etc	m2	529,00		
	Bubble Foil insulation				
2	4mm Insulation closely fitted and laid on top of branderling between steel trusses, etc	m2	1 339,00		
	NAILED UP CEILINGS				
	6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips				
3	Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres	m2	529,00		
4	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	3,00		
	Rhino gypsum plasterboard cornices				
5	75mm Coved cornices	m	441,00		
	1200 x 600mm x 40mm Thick acoustic ceiling tiles laid on and including lay in exposed tee suspension ceiling system including galvanised main tees, cross tees, hold-down clips, wedges, etc., all suspended with galvanised hangers at centres not exceeding 1200mm.				
6	Horizontal ceilings suspended not exceeding 1m below steel trusses	m2	1 339,00		
7	Extra over ceilings for opening for 150mm diameter downlighter (Provisional)	No	18,00		
8	Extra over ceilings for opening for 1200 x 600mm light fitting (Provisional)	No	18,00		
	Donn cornices to suspended ceilings				
9	SM25 pre-painted cornices, nailed to walls	m	212,00		
10	SM25 pre-painted cornices, fixed at junction of suspended ceiling panels and vertical bulkheads	m	61,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 8				
	FLOOR COVERINGS, PLASTIC LININGS, ETC				
	(CPAP WORK GROUP 130 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	NOTE: Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	FLOOR COVERINGS				
	Polyflor 2,0mm thick XL PU Homogeneous vinyl floor sheeting colour Flint (Colour code: 3720), laid in acrylic adhesive spread with a notched trowel on suitably prepared cement screed floors with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible coloured Polyflor welding rod to provide a smooth, hygienic sealed finish and rolled with 68kg articulated floor roller, all in accordance with manufacturer's recommendations or similar approved product				
1	On floors	m2	1 490,00		
2	200mm Border with turn-up over coves (measured elsewhere) and with 200mm high skirting against walls total girth 400m	m	468,00		
	SKIRTINGS, NOSINGS, ETC				
	Polyflor vinyl edge capping strips, coved formers etc.				
3	PC 20 poly cove cove former	m	528,00		
4	Extra over "PC20 Poly cove" former for tapered cut end	No	122,00		
5	CS48 Polycap capping strip	m	528,00		
	POLISH, SEALERS, ETC				
	Two coats wax polish				
6	On vinyl floors	m2	1 490,00		
	EXPANSION JOINT COVERS (PROVISIONAL)				
7	50 x 2mm Thick "Polyflor EJC50 Polyspan " PVC joint cover with a 20mm expandable strip in centre over expansion joint, welded both sides to sheeting	m	468,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 9				
	IRONMONGERY				
	SUPPLEMENTARY PREAMBLES				
	Finishes to ironmongery				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD SandedNP Nickle plated				
	HINGES, BOLTS, ETC.				
	Mazac Tarpon				
1	130-75 Satin chrome lever flush bolt with keep let into concrete	No	23,00		
	LOCKS				
	Mazac Tarpon				
2	LA952/4L four lever lockset and handles with chrome plated finish	No	33,00		
	HANDLES				
	Dorma				
3	dkp-ss-161 Stainless steel kickplate plate size 813 x 300mm fixed to timber	No	33,00		
	PUSH PLATES AND KICKING PLATES				
4	1,6mm Satin finished stainless steel kickplate plate size 800 x 300 high fixed to timber	No	33,00		
	DOOR CLOSERS				
	Dorma				
5	TS83 door closer with bracket fixed to metal	No	33,00		
	LETTERS, NAMEPLATES, ETC				
6	60 x 3mm Thick perspex plate with two 40mm high engraved and painted numerals	No	33,00		
	BATHROOM FITTINGS				
	Stiebel Eltron				
7	Storage Direct o.e.a ABS Plastic Hand Paper Towel Dispenser. Supply with Towels	No	10,00		
8	1.2 l Lockable Stainless Steel Hand Soap Dispense	No	10,00		
9	Mini Sani Pedal Sanitary Bin	No	10,00		
10	VDK & Associates Plastic Wall Bin o.e.a, fixed to wall.	No	9,00		
	Nampak				
11	Three Roll Lockable Toilet Roll Dispenser	No	19,00		
12	Standard CP toilet roll holder & hook for spare toilet roll holder mounted on wall.	No	4,00		
	Chairman Industries				
13	32mm "DL2" Stainless steel side grab rail 600mm girth plugged	No	4,00		
14	32mm "SR1" Stainless steel rear grab rail 600mm long plugged	No	4,00		

15	32mm stainless steel vertical grab handle on inside face of door, 200mm away from hinge side, top of bar at 1000mm from F.F.L	No	4,00		
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	SUNDRIES				
	Union				
16	AL8730AS door stop plugged	No	33,00		-
17	AL8722AS rubber tipped hat and coat hook	No	33,00		-
	TOTAL CARRIED TO SECTION SUMMARY				-

	SECTION NO. 3				
	BILL NO. 10				
	STRUCTURAL STEEL (PROVISIONAL)				
	Descriptions				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete. Where anchor bolts are described as embedded in sides or soffits of concrete it shall be deemed to include holes through formwork.				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	STEEL COLUMNS AND BEAMS				
	Welded beams in single lengths with flat section bearer and connection plates bolted to concrete columns				
1	254 x 146mm x 31kg/m I-section beams in lengths exceeding 20m	t			Rate only
	Bolted in single lengths with flat section bearer and connection plates bolted to concrete columns				
2	305 x 165 x 31kg/m I-section beams in lengths not exceeding 20m	t			Rate only
	Bolts to columns, beams, etc				
3	450mm Long M16 anchor bolt 16mm girth embedded in top of concrete	No			Rate only
4	70mm M16 expansion bolt	No			Rate only
	STEEL TRUSSES ETC				
	Welded roof trusses of angle section rails, struts, braces, cleats, etc and flat section bearer, gusset and connection plates bolted to concrete				
5	Mono pitched trusses 28 520 x 1 700m high	t			Rate only
	Mono pitch trusses 16970 x 1700mm high	t			Rate only
	Bolts to trusses etc				
6	200mm M16 expansion bolt	No			Rate only
	PURLINS, GIRTS, BRACING, ETC				
	Purlins and girts bolted to steel				
7	Lipped channel section purlins	t			Rate only
	Welded bracing etc with flat section connection plates bolted to steel				
8	Angle section bracing	t			Rate only
9	Angle section sag rails	t			Rate only
	Type C Trusses				
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 11				
	METALWORK				
	(CPAP WORK GROUP 136 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	For preambles see "Model Preambles for Trades"				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	Descriptions				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
	SUNDRY STEELWORK				
	Steelwork to Hall				
	Welded metal clad frame to stage, etc				
1	50 x 50 x 2,5mm Square hollow section continuous columns welded to top and bottom beams (measured elsewhere)	m	48,00		
2	50 x 50 x 5mm Angle section bracing welded to columns and beams (measured elsewhere)	m	106,00		
3	100 x 50 x 3mm C-channel continuous rails welded to square hollow sections (measured elsewhere)	m	78,00		
	HOT DIP GALVANIZED PRESSED STEEL DOOR FRAMES				
	Bitcon or other equal and approved 1,6mm Double rebated frames suitable for half brick walls				
4	Frame for door size, 813 x 2032mm high	No			Rate only
	Bitcon or other equal and approved 1,6mm Double rebated frames suitable for one brick walls				
5	Frame for door 813 x 2032mm high (D01)	No			Rate only
6	Frame for double door size, 1575 x 2032mm high	No	4,00		
	ALLUMINIUM WINDOWS, DOORS, ETC				
	SUPPLEMENTARY PREAMBLES				
	Scope				
	This section specifies material, construction, finishes, hardware, fastenings, installation and performance standard for aluminium windows and doors. The abbreviation AAAMSA used herein shall mean the Association of Architectural Aluminium Manufacturers of South Africa.				
	Materials				

	Extruded aluminium members shall be fabricated from alloy 6063 or 6061 in Temper T5 or T6 all in accordance with the latest addition of BS EN 755. Ancillary members such as sills, flashings, infill panels and the like which may be formed from flat sheet material having an appropriate alloy selected from alloy designations - 1200 or 3004, or 5251, of a temper suitable for the method of forming and composition suitable for anodising or painting as required. Alloys shall comply with BS EN 573.				
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	Finishings				
				Carried forward	

Brought forward				
	All anodising shall be executed in strict adherence to SANS 999. A certificate is to be supplied which meet with SANS 999 in all respects. All powder coating shall be in strict accordance with SANS 1796. The powder applied shall be in strict accordance with SANS 1578. The powder manufacturer shall issue a powder guarantee of a minium of 15 years. The specific conditions contained in this guarantee shall form part of the powder coating "process" and may only be applied by an approved powder applicator.			
	Construction			
	Construction shall comply with the minimum recommended performance requirements as contained in AAAMSA's General Specification for Architectural Aluminium and Glass Products. Selection of appropriate class designation (A0, A1, A2 and A3) shall be made in strict accordance with the table below, which complied in all respects with SANS 10160 - The Code of Practice for the General Procedures and Loading to be adopted in the design of buildings. TERRAIN CATEGORY AS			
	Manufacture			
	Joints in frames and sashes shall be made by mechanical means and are to be sealed to prevent water penetration. The windows, doors, etc shall be free from all sharp edges, burring and the like. Hardware and fittings shall be removable without removing the aluminium frames from the structure and must be compatible with the aluminium framing. Sliding members shall be constructed so that no direct contact between metal occurs but shall be separated by a durable, compatible material.			
	Fittings			
	Weather sealing shall be of materials that are compatible with aluminium and shall be such that any degradation, shrinking, warping or adherence to sliding or closing surfaces does not impair the performance of the installation. Glazing beads, gaskets and glazing compounds shall be of materials that are compatible with the aluminium finishes, the glass and any other glazing materials. Putty glazing is not permitted. Hardware, bearing devices and fittings in general shall be made of materials resistant to atmospheric corrosion and shall be of a design so as to be accessible for adjustment, repair and replacement after the window, etc have been installed. Fastenings shall be of material which is compatible with aluminium and aluminium finishes.			
	Glazing			
Carried forward				

Brought forward					
	All glass and glazing shall be executed in strict accordance with the National Building Regulations Part N, SANS 10137, SANS 10400 and SANS 1263. All safety glazing materials (individual panes) shall be permanently marked. Such marking to be visible after installation (glazing). The successful Tenderer shall submit the AAAMSA Glass & Glazing Certificate confirming that glazing has been installed in accordance with SANS 10137 and 10400 ensuring that Safety Glazing Materials have been installed and individually marked in the mandatory areas. Any pane of glass within 500mm of finished floor level shall be made of safety glazing materials. All glazing within 2 100mm of finished floor level to shopfronts, (including display windows) and entrances (doors and sidelights), in both external and internal applications, shall be executed in safety glazing materials. A warranty is to be provided, prior to installation on site, by the manufacturer of the laminated glass, which warrants the product against delamination and colour degradation for a period of not less than 5 (five) years.				
	PRICES				
	Fixings, etc				
	Prices for all items shall include for all coupling members and fixing to steel, concrete or brickwork, including all lugs, cramps, shims, bolts, mortices, grouting, etc as required for a complete installation and for perimeter pointing with polysulphide sealant or similar compound.				
	Glazing				
	Prices for all items shall include for glazing with glass as specified in the description, including all necessary glazing beads, gaskets, etc.				
	Protection of frames				
	All exposed aluminium work shall be protected by means of low tack adhesive tape against mortar droppings and other non-mechanical damage during installation which shall only be removed when directed by the Architect.				
	Size of opening				
	Tenderers shall check sizes of openings on site prior to any manufacturing being put in hand.				
	Note:				
	Tenderers are referred to the Architect's window and door schedules bound to the back of these bills of quantities for tender purposes.				
	PURPOSE MADE ALUMINIUM WINDOWS, ETC.				
	Powder coated natural anodised aluminium windows glazed with 6mm obscure toughened safety glass as described below. Contractors are strongly advised to refer to the Architects window schedule attached to the tender document when pricing this section				
7	Window size 4740 x 3676mm high in fixed panel glazed with 6mm obscure toughened safety glass (W01)	No	1,00		
8	Window size 5500 x 1500mm high in fixed panel glazed with 6mm obscure toughened safety glass (W02)	No	20,00		
9	Window size 3205 x 1500mm high in fixed panel glazed with 6mm obscure toughened safety glass (W03)	No	2,00		
10	Window size 2330 x 1500mm high in fixed panel glazed with 6mm obscure toughened safety glass (W04)	No	1,00		
11	Window size 2000 x 1200mm high in fixed panel glazed with 6mm obscure toughened safety glass (W05)	No	1,00		
12	Window size 2260 x 1500mm high in fixed panel glazed with 6mm obscure toughened safety glass (W06)	No	1,00		
13	Window size 2380 x 700mm high in fixed panel glazed with 6mm obscure toughened safety glass (W07)	No	12,00		

14	Window size 2240 x 600mm high in fixed panel glazed with 6mm obscure toughened safety glass (W08)	No	2,00		
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15	Window size 1800 x 600mm high in fixed panel glazed with 6mm obscure toughened safety glass (W09)	No	2,00		
16	Window size 2395 x 385mm high in fixed panel glazed with 6mm obscure toughened safety glass (W10)	No	2,00		
Carried forward					

					Brought forward	
17	Window size 1200 x 900mm high in fixed panel glazed with 6mm obscure toughened safety glass (W11)	No	2,00			
18	Window size 600 x 900mm high in fixed panel glazed with 6mm obscure toughened safety glass (W12)	No	24,00			
	PURPOSE MADE ALUMINIUM DOORS, ETC.					
	Powder coated natural anodised aluminium windows glazed with 6mm obscure toughened safety glass as described below. Contractors are strongly advised to refer to the Architects window schedule attached to the tender document when pricing this section					
19	Standard extended double aluminium door size 1600 x 2125mm high with fin seals and brushes as fitted by manufacturer as per attached door schedule including all ironmongery	No	7,00			
	PURPOSE MADE ALUMINIUM SHOPFRONTS, ETC.					
	Powder coated aluminium shopfront glazed with a 6.38mm thick fadeban laminated safety glass with 16mm powder coated beaing and fitted gaskets as fitted by manufacturer's and plugged to brickwork or concrete and complete with all ironmongery as detailed on the shopfront shedule attached to this tender document. Contractors are strongly advised to refer to Architects Shopfront schedules attached to the tender document when pricing this section					
20	Shopfront overall size 5500 x 4850mm high as per attached door schedule (D1A) including all ironmongery	No	2,00			
21	Shopfront overall size 4750 x 3930mm high as per attached door schedule (D1B) including all ironmongery	No	1,00			
	SECURITY GATE					
	Purpose made Security Gate					
22	Gate overall size 813 x 2 032mm high construted from 25 x 25mm square steel section framework with and including 10 x 10mm mild steel square bar welded to form grid of 100mm inside square tubing and including Union double cylinder mortice lock code 2 x 18CH complete as detailed on Architects drawing	No	4,00			
	STEEL ROLLER SHUTTERS ETC					
	Approved hot dipped galvanised steel 46mm interlocking 11.5kg/meter square slatted roller shutter door with push-up action supplied complete and fixed strickly in accordance with the manufacturer's recommendations					
23	Manual push-up roller shutter for 1 800 x 2125mm high opening	No	1,00			
	LAMINATED SAFETY GLASS TO PAY POINT					
24	Allow the sum of R 25 000.00 for laminated safety glazing to pay point	Item	1,00			
	TOTAL CARRIED TO SECTION SUMAMRY					

	SECTION NO. 3				
	BILL NO. 12				
	PLASTERING				
	SCREEDS				
	Screeds on concrete				
1	30mm Thick on floors and landings	m2	1 868,00		
2	30mm Thick on sloping floors	m2	14,00		
3	30mm Thick on treads and risers of stairs	m2	35,00		
4	Average 45mm thick on floors to falls and currents	m2	4,00		
	INTERNAL PLASTER				
	Cement plaster on brickwork				
5	On walls	m2			Rate only
6	On narrow widths (Provisional)	m2			Rate only
	Cement plaster on concrete				
7	On projecting and isolated columns	m2			Rate only
8	On projecting and isolated beams	m2			Rate only
9	On stepped outer edge of stairs, etc	m2			Rate only
10	On narrow widths	m2			Rate only
	EXTERNAL PLASTER				
	Cement plaster on brickwork				
11	On walls	m2			Rate only
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
12	3 x 32mm Flat section brass dividing strips between different floor finishes	m			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 13				
	TILLING				
	SUPPLEMENTARY PREAMBLES				
	Descriptions				
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding				
	WALL TILING				
	Wall Tiling - 300 x 300mm "Johnson Tiles Open Market" tiles (Colour: white nano) (Prime Cost Amount R150.00/m2) fixed with adhesive to plaster (plaster elsewhere)				
	On walls	m2	398,00		
	On narrow widths	m2	39,00		
	Fair exposed cutting and fitting around pipe not exceeding 110mm internal diameter	No	41,00		
	FLOOR TILING				
	Union Tiles porcelain tiles (Code: UNM135600), size 600 x 600mm, fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL Bond® in lieu of water with joints continuous in both directions and grouted with TAL tile grout (elsewhere specified), excess grout on the surface to be cleaned with water as work proceeds or Similar approved by Architects				
	Size 600 x 600 x 8mm thick on internal floors and landings	m2	313,00		
	Skirting 75mm high	m	127,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 14				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	SUPPLEMENTARY PREAMBLES				
	uPVC pipes and fittings:				
	Soil, waste and vent pipes and fittings shall be solvent weld jointed				
	uPVC pressure pipes and fittings:				
	Pipes for water supply shall be of the class stated				
	Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings				
	Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints				
	Copper pipes:				
	Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground				
	Fixing of pipes				
	Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level				
	Reducing fittings				
	Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained				
	Exposed concrete surfaces				
	Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster				
	Excavations				
	No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling				
	Soft rock and "hard rock" shall be as defined in "Earthworks"				
	Laying, backfilling, bedding, etc. of pipes				
	Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions				
	Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding				

	Flush pans				

	Flush pans shall have straight or side outlets and "P" or "S" traps as necessary				
	Stainless steel basins, sinks, wash troughs, urinals, etc.				
	Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable				
	Waste unions				
	Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings				
	RAINWATER DISPOSAL				
	Marley Streamline Industrial uPVC				
1	150mm Half round eaves gutters	m	232,00		
2	Extra over 150mm half round eaves gutter for stopped end	No	9,00		
3	Extra over 150mm half round eaves gutter for outlet for 68mm diameter pipe	No	17,00		
4	68mm Diameter rainwater pipes	m	97,00		
5	68mm Extra over rainwater pipe for bend	No	17,00		
6	68mm Extra over rainwater pipe for shoe	No	17,00		
7	Extra over 68mm rainwater pipe for eaves or plinth offset 1000mm projection	No	17,00		
8	Spreader for 68mm diameter pipe	No	17,00		
Carried forward					

Brought forward				
	SANITARY FITTINGS			
	NOTE: All fittings butting up against wall or floor finishes or fitting into preformed openings in timber tops are to be sealed with an approved all purpose silicone sealant Prices for sinks described as drop in are to include for preparing the worktop to receive the fitting and securely fixing sinks to worktops using clips provided. The contractor is to provide worktop manufacturers with details of cut outs to ensure that the cut openings are sufficiently accurate to provide proper engagement for these clips Note: Stainless steel for urinals, basins, sinks, etc, shall be type 304 (18/8)			
	'Franke' or similar approved Model P2 double bowl pot sink and drainer pressed in one piece out of grade 304 stainless steel, the underside of the unit sprayed with vermin proof bitumastic deadening:			
9	'Franke' or similar approved Model P2 double bowl pot sink and drainer size 1200 x 535mm, set on cupboard fitting (elsewhere measured), including cutting one taphole, stainless steel basket and laminated wood overbowl cutting board.	No	1,00	
	Vaal			
10	Wall Mounted Franke Luna Wash Hand Basin manufactured from Miranit resin-bonded mineral material. Mounting material included. Supply with waste and plug	No	19,00	
11	Vaal Sanitaryware vitreous china 455 x 290mm "Bantam" basin with Left Hand Side punched taphole, integrated overflow and chainstay hole. Fix to wall by using two 10mm bolts – CODE 8448Z0 Supply with waste, plug and chain.	No	1,00	
12	Hibiscus Close Coupled suite. Vaal Sanitaryware vitreous china "Hibiscus" close coupled 90° outlet open rim top dual flush suite.	No	19,00	
13	Vaal Sanitaryware o.e.a vitreous china "PROTEA PARAPLEGIC" 90° outlet pan (code 750200) and matching 9 liter cistern (code 710631) complete with lid, fitments, and purpose made C.P. side-flush lever.	No	4,00	
14	Franke 1,2mm Grade 304 18/10 stainless steel TE Barron urinal (Code: 2540056), size 316 x 241 x 425mm high, Cobra Junior Flushmaster (Code: FJ6.000) exposed top entry flush valve, 40mm waste outlet, pressed perforated stainless steel grid and chrome plated button spreader connected to 15mm water supply, 2mm thick mounting plate bolted to wall with anchor bolts.	No	6,00	
15	Vaal Sanitaryware vitreous china wall hung "Lavatera" urinal with top inlet (code 705426. Overall size 600 x 385 x 380 mm. With top inlet fittings (code 7054Z1) including a 38 mm c.p. domical grating, a spreader (with a 20 mm diameter thread), and two hanger brackets.	No	1,00	
	WASTE UNIONS, ETC			
	Cobra Watertech			
16	32mm "301CP" Basin waste union	No	20,00	
17	40mm "316CP" Bath or sink waste union	No	2,00	
	TRAPS, ETC			
	Marley			
18	32 x 50mm Deep seal "P" or "S" trap	No	27,00	
19	40 x 40mm flexible white PVC P-Trap for Left Handed Double End Bowl	No	2,00	
	Cobra Watertech			
20	Chrome Plated Bottle Trap, with 75mm deep seal and adjustable telescopic pipe with 1 x ¼ " x 40mm Ø outlet for PVC tube.	No	19,00	
	TAPS, VALVES, ETC			
	Cobra Watertech			
21	Pushbutton Demand, Chrome Plated Pillar tap with flanged backnut. G1/2" MI Inlet.	No	17,00	
22	Cobra Raised nose elbow action pillar tap with blue indicator. G ½" MI Inlet Chrome Plated	No	3,00	

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23	15mm 166/041CP "Star" sink mixer	No	1,00		
24	FJ6.000 "Flushmaster Junior" urinal flush valve	No	7,00		
25	PB1.10RB vacuum breaker	No	2,00		
26	PA1.1RB "Kwikflo" 400 kPa pressure reducing valve	No	2,00		
Carried forward					

Brought forward				
	SANITARY PLUMBING			
	uPVC pipes			
27	50mm Pipes	m	60,00	
28	110mm Pipes	m	35,00	
	Extra over uPVC pipes for fittings			
29	110mm Reducer	No	23,00	
30	50mm Bend	No	29,00	
31	50mm Junction	No	29,00	
32	110mm Pan connector	No	23,00	
33	50mm Access bend	No	29,00	
34	110mm Access bend	No	23,00	
35	50mm Access junction	No	29,00	
36	110mm Access bend with anti-syphon horn	No	23,00	
37	50mm "GI Two-way" vent valve	No	29,00	
	Sundries			
38	Testing waste pipe system	Item	1,00	
	WATER SUPPLIES			
	Class 0 copper pipes			
39	15mm Pipes	m		Rate only
40	22mm Pipes	m		Rate only
41	15mm Pipes chased into brick walls	m		Rate only
42	22mm Pipes chased into brick walls	m		Rate only
	Extra over class 0 copper pipes for capillary fittings			
43	15mm Fittings	No		Rate only
44	22mm Fittings	No		Rate only
	Copper overflow and service pipes			
45	15mm Service pipe 500mm girth	No		Rate only
	ELECTRIC WATER HEATERS			
	Kwikot			
46	150 Litre horizontal electric water heater in roof including standard galvanised sheet iron drip tray with overflow pipe to external wall	No	1,00	
	TESTING			
47	Testing water pipe system	Item	1,00	
	FIRE APPLIANCES ETC			
	Chubb			
48	Everyway hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2,00	

49	4,5kg Carbon dioxide fire extinguisher complete with 520 x 115 x 22mm thick timber backboard plugged to wall and varnished	No	6,00		
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50	80 x 65mm Brass right angle hydrant valve with cap and chain	No	2,00		
	WATER SUPPLIES TO FIRE APPLIANCES				
51	Allow the sum R 20 000.00 (Twenty Thousand Rand) for water supply pipes to fire appliances to be measured and priced using contract rates	Item	1,00	20 000,00	20 000,00
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 15				
	GLAZING				
	TOPS, SHELVES, DOORS, MIRRORS, ETC				
	6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete				
1	Mirror 600 x 900mm high with four screws	No	20,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 3				
	BILL NO. 16				
	PAINTWORK				
	(CPAP WORK GROUP 152 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	For preambles see "Model Preambles for Trades"				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	PAINTWORK				
	PAINTWORK, ETC TO NEW WORK ON				
	One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint				
1	Internal walls	m2	1 379,00		
	One coat primer, one undercoat and two coats exterior quality PVA emulsion paint				
2	On external walls	m2	188,00		
	ON SMOOTH CONCRETE				
	PLASTER BOARDS				
	One coat primer and two coats interior quality PVA emulsion paint				
3	Ceilings and cornices	m2	529,00		
	ON FIBRE-CEMENT				
	One coat primer and two coats interior quality acrylic PVA emulsion paint				
4	On internal window sills not exceeding 300mm wide or girth	m	66,00		
	One coat primer and two coats exterior quality PVA emulsion paint				
5	On external window sills not exceeding 300mm wide or girth	m	14,00		
6	On fascias and bargeboards	m	232,00		
	ON METAL				
	Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coat high gloss enamel paint on steel				
7	On door frames	m2	11,00		
8	On columns and beams	m2	108,00		
9	On members of roof trusses, columns and beams	m2	927,00		
	ON WOOD				
	Three coats polyurethane semi-gloss varnish				
10	On doors	m2	214,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	COMMUNITY HALL:				
1	Earthworks (Provisional)	Page			
2	Concrete, Formwork and Reinforcement	Page			
3	Masonry	Page			
4	Waterproofing	Page			
5	Roof Coverings, etc	Page			
6	Carpentry and Joinery	Page			
7	Ceiling, partitions and Access Flooring	Page			
8	Floor Coverings, Wall Linings, etc	Page			
9	Ironmongery	Page			
10	Structural Steelwork (Provisional)	Page			
11	Metalwork	Page			
12	Plastering	Page			
13	Tiling	Page			
14	Plumbing and Drainage (Provisional)	Page			
15	Glazing	Page			
16	Paintwork	Page			
	TOTAL CARRIED TO FINAL SUMMARY				

	SECTION NO. 4				
	BILL NO. 1				
	EARTHWORKS (PROVISIONAL)				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	Nature of ground				
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock".				
	CARTING AWAY OF EXCAVATED MATERIAL				
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or alternatively, from stock piles situated on the building site.				
	PRICES				
	Prices for all filling and carting away of surplus material must make allowance for bulking.				
	EARTHWORKS				
	Excavation in earth not exceeding 2m deep				
1	Trenches	m3			Rate only
	Extra over trench and hole excavations in earth for excavation in				
2	Soft rock	m3			Rate only
3	Hard rock	m3			Rate only
	Risk of collapse of excavations				
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2			Rate only
	Extra over all excavations for carting away				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3			Rate only
	Keeping excavations free of water				
6	Keeping excavations free of water	Item			Rate only
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in 150mm layers				
7	Under floors, steps, pavings, etc	m3			Rate only
	Earth filling supplied by the contractor, compacted to 93% Mod AASHTO density with G7 material in accordance with SABS 1200DM in 150mm layers				
8	Trenches	m3			Rate only
9	Under surface beds	m3			Rate only
	Compaction of surfaces				
10	Levelling and compaction of ground surface under foundations, surfacebeds etc including scarifying for a depth of 150mm, breaking down oversize material and adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2			Rate only
	Prescribed density tests on filling				

11	Modified AASHTO Density test	No			Rate only

	SOIL POISONING				
	Soil insecticide				
12	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2			Rate only
13	To bottoms and sides of trenches etc	m2			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 2				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately).				
	Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.				
	Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/20mm concrete				
1	Foundations	m3			Rate only
2	Surface beds	m3			Rate only
	TEST BLOCKS				
3	Making and testing 150 x 150 x 150mm concrete strength test cube	No			Rate only
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
4	Surface beds, ramps, slabs, etc	m2			Rate only
	ROUGH FORMWORK				
	Rough formwork to sides				
5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m			Rate only
	MOVEMENT JOINTS, ETC				
	Joint forming material in movement joints:				
6	10mm Soft board expansion joint material not exceeding 300mm wide	m			Rate only
7	12mm Soft board expansion joint material not exceeding 300mm wide	m			Rate only
	Saw cut joints				
8	5 x 30mm Saw cut joints in top of concrete	m			Rate only
	Mesh Reinforcement				
9	Type 193 mesh reinforcement in concrete surface beds, slabs, etc	m2			Rate only

	TOTAL CARRIED TO SECTION SUMMARY				

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	SECTION NO. 4				
	BILL NO. 3				
	MASONRY				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	Brickwork				
	Sizes in descriptions Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.				
	Face bricks				
	Bricks shall be ordered timeously to obtain uniformity in size and colour				
	Pointing				
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc				
	MASONRY				
	FOUNDATIONS				
	Brickwork in NFX bricks in class 1 cement mortar, in				
1	One brick wall	m2			Rate only
	SUPERSTRUCTURE				
	Brickwork in NFP bricks in class 2 cement mortar, in				
2	Half brick wall in beam filling	m2			Rate only
3	One brick wall	m2			Rate only
	Brickwork reinforcement				
4	150mm Wide reinforcement built in horizontally	m			Rate only
	Prestressed fabricated lintels				
5	110 x 75mm Lintels in lengths not exceeding 3m	m			Rate only
	Galvanized wire ties, etc.				
6	1.6mm thick Galvanized hoop iron 32mm wide, built 750mm deep into brickwork, wrapped over truss and fixed with four Galvanized nails 40mm long	No			Rate only
	FACE BRICKWORK				
	Corobrick Terracotta Stain FBS or similar approved clay face bricks pointed with square recessed horizontal and vertical joints				
7	Extra over for face brick work externally	m2			Rate only
	Corobrick terracota satin FBS single bullnose or similar approved clay face brick on edge sill pointed with flush horizontal and vertical joints				
8	180mm Wide sill set sloping and slightly projecting	m			Rate only
	NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS				
	Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc				
9	15 x 150mm Wide sills set flat and slightly projecting	m			Rate only

	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 4				
	WATERPROOFING				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	DAMP PROOFING OF WALLS AND FLOORS				
	One layer of 375 micron type B black polyethylene sheeting dampproof course with 200mm laps				
1	In walls	m2			Rate only
	One layer of 250 micron green polyethylene sheeting complying with SANS 952, Type C in widest practicable widths with all joints lapped and sealed with pressure sensitive tape jointing				
2	Under surface beds	m2			Rate only
	JOINT SEALANTS, ETC				
	Polysulphide jointing compound including backing cord, bond breaker, primer, etc.				
3	10 x 10mm In isolation joints in top of surface bed including raking out expansion joint filler as necessary	m			Rate only
4	3 x 30mm In saw cut joints in floors	m			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 5				
	ROOF COVERINGS				
	STANDARD PREAMBLES				
	The Contractor is referred to the Model Preambles (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill				
	PROFILED STEEL SHEETING AND ACCESSORIES				
	0,6mm "IBR" Z275 spelter galvanised troughed sheet steel with "globalcoat" finish on one side in single lengths fixed to timber purlins and 0,6mm galvanised sheet steel accessories with "globalcoat" finish on one side				
1	Roof covering with pitch not exceeding 25 degrees	m2			Rate only
	ROOF INSULATION				
	Super Sisalation 420 or similar approved heavy duty industrial grade aluminium foil based insulation				
2	Insulation laid taut over rafters (at approximately 1100mm centres) and fixed concurrent with purlins, etc	m2			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 6				
	CARPENTRY AND JOINERY				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	Particle board:				
	Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type				
	Joinery:				
	Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes				
	Fixing				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete				
	Decorative laminate finish:				
	Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish				
	ROOFS, ETC				
	Plate nailed timber roof truss construction				
	The following is applicable in respect of roof trusses: Trusses are at maximum 1,10m centres. Roof covering is galvanised "IBR" roof sheeting with "Globalcoat" finish on one side on 50 x 75mm purlins at 1,1m maximum centres. Ceilings are generally 6,4mm gypsum plasterboard on 38 x 38mm bracker. All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245. Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish. All joints to be close fitted butt joints. Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences. Tenderers must study the roof plan and sections as attached to the back of these bills of quantities (refer drawing No.'s ADMIN 001 to 004) and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.				
	Sawn softwood				
1	114 x 38mm Wall plates	m			Rate only
2	Design, manufacture and deliver on site, plate nailed monopitch roof truss construction to size 5000 x 4205 mm overall on plan with 500mm eaves overhang projecting both sides, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere)	No			Rate only
	Sundries				
3	Two coats creosote on sawn timbers (Provisional)	m2			Rate only
	EAVES, VERGES, ETC				
	Everite Flexitor other equal and approved pressed nutec-cement				
4	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips	m			Rate only

	Wrought hardwood flushback doors with sapele veneer hung to steel frames				

5	2032 x 813 x 44mm Thick C.K.S framed batten door of 150 x 44mm thick stiles and top rail 150 x 22mm thick ledges and braces as well as 230 x 22mm thick bottom rail with V-jointed boarding one side and filled back with 6mm thick polywood panel with veneer to match door and including rebates all round	No	1,00		
	Solid flush doors with sapele veneer on both sides hung to steel frames				
6	40mm Thick solid door with 3.2mm tempered hardwood facings and two hrdwood edge strips	No	1,00		
Carried forward					

				Brought forward	
	JOINERY WORK				
7	Provide the amount of R 10 000.00 (Ten Thousand Rand) for joinery cupboard according to architects specification incl granite countertop	Item	1,00		
8	Allow for main contractor's profit	%			
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 7				
	CEILINGS AND PARTITIONS				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	Descriptions				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere.				
	NAILED UP CEILINGS				
	6,4mm "gyproc gypceil" classic flush plastered ceilings				
1	Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres in one direction	m2	16,00		
2	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1,00		
	Rhino gypsum plasterboard cornices				
3	75mm Coved cornices	m	24,00		
	Aerolite insulation				
4	75mm Insulation closely fitted and laid on top of branderling between roof timbers etc	m2	16,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 8				
	IRONMONGERY				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	SUPPLEMENTARY PREAMBLES				
	Finishes to ironmongery				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:				
	BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodized silver AB Anodized bronze AG Anodized gold ABL Anodized black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded				
	HINGES, BOLTS, ETC				
	Howick or similar approved				
1	100 x 75 brass butt hinges (Code H036R) with double nylon washers	No	4,00		
	Q.S Stainless Steel or similar approved				
2	Thumb lock and indicator code QS4406 / QS4410	No	1,00		
3	Door stop code QS4421	No	1,00		
	LOCKS				
	Union				
4	CZ682-24/2247-78 or other similar and approved four lever lockset with striking plate fixed to metal or timber	No	2,00		
	HANDLES				
	Satin Chrome Plated or similar approved				
5	Satin chrome plated handle as per attached door schedule	No	2,00		
	DOOR CLOSERS				
	Dorma or similar approved				
6	TS71 Silver door closer	No	1,00		
	LETTERS, NAMEPLATES, ETC				
7	60 x 30 x 3mm Thick perspex plate with two 20mm high engraved and painted numerals	No	1,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 9				
	METALWORK				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	HOT DIP GALVANIZED PRESSED STEEL DOOR FRAMES				
	Bitcon or other equal and approved 1,6mm Double rebated frames suitable for one brick walls				
1	Frame for door 813 x 2032mm high	No			Rate only
	ALLUMINIUM WINDOWS, DOORS, ETC				
	SUPPLEMENTARY PREAMBLES				
	Scope				
	This section specifies material, construction, finishes, hardware, fastenings, installation and performance standard for aluminium windows and doors. The abbreviation AAAMSA used herein shall mean the Association of Architectural Aluminium Manufacturers of South Africa.				
	Materials				
	Extruded aluminium members shall be fabricated from alloy 6063 or 6061 in Temper T5 or T6 all in accordance with the latest addition of BS EN 755. Ancillary members such as sills, flashings, infill panels and the like which may be formed from flat sheet material having an appropriate alloy selected from alloy designations - 1200 or 3004, or 5251, of a temper suitable for the method of forming and composition suitable for anodising or painting as required. Alloys shall comply with BS EN 573.				
	Finishings				
	All anodising shall be executed in strict adherence to SANS 999. A certificate is to be supplied which meet with SANS 999 in all respects. All powder coating shall be in strict accordance with SANS 1796. The powder applied shall be in strict accordance with SANS 1578. The powder manufacturer shall issue a powder guarantee of a minimum of 15 years. The specific conditions contained in this guarantee shall form part of the powder coating "process" and may only be applied by an approved powder applicator.				
	Construction				
	Construction shall comply with the minimum recommended performance requirements as contained in AAAMSA's General Specification for Architectural Aluminium and Glass Products. Selection of appropriate class designation (A0, A1, A2 and A3) shall be made in strict accordance with the table below, which complied in all respects with SANS 10160 - The Code of Practice for the General Procedures and Loading to be adopted in the design of buildings. TERRAIN CATEGORY AS				
	Manufacture				
	Joints in frames and sashes shall be made by mechanical means and are to be sealed to prevent water penetration. The windows, doors, etc shall be free from all sharp edges, burring and the like. Hardware and fittings shall be removable without removing the aluminium frames from the structure and must be compatible with the aluminium framing. Sliding members shall be constructed so that no direct contact between metal occurs but shall be separated by a durable, compatible material.				
	Fittings				

	Weather sealing shall be of materials that are compatible with aluminium and shall be such that any degradation, shrinking, warping or adherence to sliding or closing surfaces does not impair the performance of the installation. Glazing beads, gaskets and glazing compounds shall be of materials that are compatible with the aluminium finishes, the glass and any other glazing materials. Putty glazing is not permitted. Hardware, bearing devices and fittings in general shall be made of materials resistant to atmospheric corrosion and shall be of a design so as to be accessible for adjustment, repair and replacement after the window, etc have been installed. Fastenings shall be of material which is compatible with aluminium and aluminium finishes.				
	Glazing				

	All glass and glazing shall be executed in strict accordance with the National Building Regulations Part N, SANS 10137, SANS 10400 and SANS 1263. All safety glazing materials (individual panes) shall be permanently marked. Such marking to be visible after installation (glazing). The successful Tenderer shall submit the AAAMSA Glass & Glazing Certificate confirming that glazing has been installed in accordance with SANS 10137 and 10400 ensuring that Safety Glazing Materials have been installed and individually marked in the mandatory areas. Any pane of glass within 500mm of finished floor level shall be made of safety glazing materials. All glazing within 2 100mm of finished floor level to shopfronts, (including display windows) and entrances (doors and sidelights), in both external and internal applications, shall be executed in safety glazing materials. A warranty is to be provided, prior to installation on site, by the manufacturer of the laminated glass, which warrants the product against delamination and colour degradation for a period of not less than 5 (five) years.				
	PRICES				
	Fixings, etc				
	Prices for all items shall include for all coupling members and fixing to steel, concrete or brickwork, including all lugs, cramps, shims, bolts, mortices, grouting, etc as required for a complete installation and for perimeter pointing with polysulphide sealant or similar compound.				
	Glazing				
	Prices for all items shall include for glazing with glass as specified in the description, including all necessary glazing beads, gaskets, etc.				
	Protection of frames				
	All exposed aluminium work shall be protected by means of low tack adhesive tape against mortar droppings and other non-mechanical damage during installation which shall only be removed when directed by the Architect.				
	Size of opening				
	Tenderers shall check sizes of openings on site prior to any manufacturing being put in hand.				
	Note:				
	Tenderers are referred to the Architect's window and door schedules bound to the back of these bills of quantities for tender purposes.				
	PURPOSE MADE ALUMINIUM WINDOWS, ETC.				
	Powder coated natural anodised aluminium windows glazed with 6mm obscure toughened safety glass as described below. Contractors are strongly advised to refer to the Architects window schedule attached to the tender document when pricing this section				
2	Window size 1511 x 1245mm high in fixed panel glazed with 6mm obscure toughened safety glass (W01)	No			Rate only
3	Window size 533 x 949mm high in fixed panel glazed with 6mm obscure toughened safety glass (W02)	No			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 10				
	PLASTERING				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	SCREEDS				
	Screeds on concrete				
1	25mm Thick on floors	m2			Rate only
	INTERNAL PLASTER				
	One coat 3:1 cement plaster on brick walls				
2	On walls	m2			Rate only
3	On narrow widths	m2			Rate only
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
4	3 x 32mm Flat section brass dividing strips between different floor finishes	m			Rate only
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 11				
	TILLING				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	FLOOR TILING				
	Union Tiles or similar approved Porcelain floor tiles fixed with TAL tile adhesive to screed (screed elsewhere) with joints continuous in both directions and grouted with TAL tile grout (Prime cost amount of R150/m2)				
1	Size 600 x 600 x 8mm thick on internal floors and landings	m2	16,00		
	Porcelain Tile skirting				
2	75mm high Porcelain tile skirting	m	13,00		
	WALL TILING				
	Wall Tiling - 300 x 300mm "Johnson Tiles Open Market" tiles (Colour: white nano) (Prime Cost Amount R150.00/m2) fixed with adhesive to plaster (plaster elsewhere)				
3	On walls in isolated panels, splashbacks, etc	m2	23,00		
4	On narrow widths	m2	1,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 12				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	SUPPLEMENTARY PREAMBLES				
	Reducing fittings				
	Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc., will be entertained				
	Flush pans				
	Flush pans shall have straight or side outlets and "P" or "S" traps as necessary				
	Stainless steel basins, sinks, wash troughs, urinals, etc				
	Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable				
	Waste unions				
	Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings				
	SANITARY FITTINGS				
	Vaal or other equal and approved				
1	Code 772863 "Tuscany" close coupled 90 degrees outlet closed rim washdown pan (code 772800) and matching 7 Litre pushbutton top dual flush cirsten complete with purpose-made wooden seat (code 851520)	No	1,00		
2	Batam Cloakroom white wash hand basin size 455 x 290 code 7030 fitted to wall with and including 2 x 10mm fixing bolts	No	1,00		
	WASTE UNIONS, ETC				
3	Chrome plated 32mm Basin waste union	No	1,00		
	TRAPS ETC				
4	32 x 40mm Chromium plated bottle trap with 75mm deep seal	No	1,00		
	TAPS, VALVES, ETC				
5	Xena square pattern pillar tap chrome plated (code XE 214 - 15) with streamline outlet and flange backnut	No	2,00		
	SANITARY PLUMBING				
	uPVC pipes				
6	110mm Pipes	m	3,00		
7	50mm Pipes	m	3,00		
	Extra over uPVC pipes for fittings				
8	50mm Bend	No	2,00		
9	110mm Bend	No	4,00		
10	50mm Access bend	No	2,00		

11	110mm Access bend	No	1,00		

12	50mm Junction	No	2,00		
13	110mm Junction	No	2,00		
14	50mm Access junction	No	1,00		
15	110mm Access junction	No	1,00		
Carried forward					

				Brought forward	
16	110mm Two-way vent valve	No	1,00		
17	110mm Pan connector	No	1,00		
	Sundries				
18	Testing waste pipe system	Item	1,00		
	WATER SUPPLIES				
	Class "O" copper pipes:				
19	15mm Pipes	m			Rate only
20	22mm Pipes	m			Rate only
	Extra over class "O" copper pipes for capillary fittings				
21	15mm Fittings	No			Rate only
22	22mm Fittings	No			Rate only
	Copper flexible service pipes				
23	15mm Service pipe 340mm girth	No	1,00		
	Sundries				
24	20mm Full way stop cock	No	1,00		
	TESTING				
				Carried forward	

			Brought forward		
25	Testing water pipe system	Item	1,00		
	FIRE APPLIANCES, ETC				
26	4,5kg Carbon dioxide fire extinguisher complete with 520 x 115 x 22mm thick timber backboard plugged to wall and varnished	No	1,00		
27	Approved hose reel complete with 30m long and 20mm dia rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket fixed to wall	No	1,00		
	WATER SUPPLIES TO FIRE APPLIANCES				
	WATER SUPPLIES TO FIRE APPLIANCES				
28	Allow the sum R 5 000.00 (Five Thousand Rand) for water supply pipes to fire appliances to be measured and priced using contract rates	Item	1,00	5 000,00	5 000,00
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 13				
	GLAZING				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	MIRRORS, ETC				
	6mm Silvered float glass copper backed mirrors with polished edges fixed to walls with and including CP screw caps over screw heads.				
1	Straight edged Mirror size 450 x 900mm high fixed to walls 4 No. with dome cap screws	No	1,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 4				
	BILL NO. 14				
	PAINTWORK				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	ON PLASTER INTERNALLY				
	One coat "Plascon" merit plaster primer, two coats "plascon" double velvet pure acrylic paint or similar approved				
1	On internal walls	m2	27,00		
2	On narrow widths	m2	1,00		
	ON FIBRE CEMENT BOARD				
	Universal undercoat and two coats plascon acrylic emulsion paint				
3	On internal ceilings	m2	16,00		
	ON METAL				
	One coat Namel coat zinc chromate metal primer, one coat merit universal undercoat and two coats gloss enamel "Dulux" - tawny mink on steel				
4	On door frames	m2	3,00		
	ON INTERNAL WOOD				
	Three coats polyurethane semi-gloss varnish				
5	On doors	m2	7,00		
	ON FIBRE-CEMENT				
	One coat alkali resistant primer, one undercoat and two coats acrylic emulsion paint				
6	On window cills not exceeding 300mm girth	m	4,00		
	One coat primer and two coats exterior quality PVA emulsion paint				
7	On fascias and barge boards	m	24,00		
	ON EXTERNAL WOOD				
	One coat wood Primer and apply two coats "Silkwood" or similar approved decorative wood coating for external use				
8	On exposed trusses, timber louvers, etc.	m2	12,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	GUARD HOUSE:				
1	Earthworks (Provisional)	Page			
2	Concrete, Formwork and Reinforcement	Page			
3	Masonry	Page			
4	Waterproofing	Page			
5	Roof Coverings	Page			
6	Capentry and Joinery	Page			
7	Ceilings, Partitions and Access Flooring	Page			
8	Ironmongery	Page			
9	Metalwork	Page			
10	Plastering	Page			
11	Tiling	Page			
12	Plumbing and Drainage (Provisional)	Page			
13	Glazing	Page			
14	Paintwork	Page			
	TOTAL CARRIED TO FINAL SUMMARY				

	SECTION NO. 5				
	BILL NO. 1				
	EARTHWORKS (PROVISIONAL)				
	(CPAP WORK GROUP 104 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	For preambles see "Model Preambles for Trades"				
	Nature of ground				
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock".				
	Carting away of excavated material				
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.				
	EXCAVATION OTHER THAN BULK				
	Excavation in earth not exceeding 2m deep				
1	Trenches	m3	19,00		
2	Holes	m3	22,00		
	EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER				
	Extra over trench and hole excavations in earth for excavation in				
3	Soft rock	m3	4,00		
4	Hard rock	m3	2,00		
	Extra over all excavations for carting away				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	18,00		
	Risk of collapse of excavations				
6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	102,00		
	Keeping excavations free of water				
7	Keeping excavations free of all water other than subterranean water	Item	1,00		
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density				
8	Backfilling to trenches, holes, etc	m3	23,00		
9	Under floors, steps, pavings, etc	m3	22,00		
	Earth filling supplied by the Contractor in accordance with SABS 1200 DM, compacted to 93% Mod AASHTO density:				
10	Under floors.	m3	22,00		
	Coarse river sand filling supplied by the contractor				
11	Under floors etc	m3	4,00		
	Compaction of surfaces:				
12	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking adding decomposed dolerite material where necessary.	m2	146,00		
	Prescribed density tests on filling:				

13	Modified AASHTO Density test	No	4,00		

	SOIL POISONING				
	Soil insecticide				
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	146,00		
15	To bottoms and sides of trenches	m2	153,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 2				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	(CPAP WORK GROUP 110 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	For preambles see "Model Preambles for Trades"				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately).				
	Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	10MPa/20mm concrete				
1	Surface blinding under footings and bases (Provisional)	m3	2,00		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
2	25 Mpa: 700x300mm Strip footings	m3	7,00		
3	2000 x 1700mm Concrete bases	m3	13,00		
4	85mm Surface bed slab	m3	13,00		
5	Columns in foundations	m3	1,00		
	REINFORCED CONCRETE CAST AGAINST FORMWORK				
	25MPa/19mm concrete				
6	Concrete aprons cast in panels, laid to fall in 1:200, with control joints filled with polysulphide sealant, every 3000mm centres.	m3	5,00		
7	Columns	m3	3,00		
	TEST BLOCKS				
8	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	5,00		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete to a Class U2 wood float finish				
9	Surface beds, slabs, etc to falls	m2	146,00		
	30MPa non-shrink grout				

10	Bedding approximately 25mm thick under 350 x 420mm base plate including chamfered edges all round	No	8,00		

	FORMWORK (CPAP Work Group 111 UNLESS OTHERWISE STATED)				
	ROUGH FORMWORK (DEGREE OF ACCURACY II)				
	Rough formwork to sides				
11	Square columns	m2	25,00		
12	Square columns in foundations	m2	4,00		
Carried forward					

				Brought forward	
13	Bases	m2	27,00		
	MOVEMENT JOINTS, ETC				
	Slip joint formed of two layers 375micron embossed damp proof courses between horizontal concrete and brick surfaces including cement mortar bed				
14	Not exceeding 300mm wide	m	19,00		
	Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete and/or brick surfaces				
15	10mm Joints not exceeding 300mm high	m	19,00		
	Saw cut joints				
16	5 x 40mm Saw cut joints in two operations in top of concret	m	19,00		
	REINFORCEMENT (PROVISIONAL)				
	Mild steel reinforcement				
	Fabric reinforcement				
17	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	146,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 3				
	MASONRY				
	(CPAP WORK GROUP 116 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	BRICKWORK				
	Sizes in descriptions				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
	Face bricks				
	Bricks shall be ordered timeously to obtain uniformity in size and colour				
	Pointing				
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.				
	FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar including galvanised crimp wire wall ties (7 per m2 laid staggered)				
1	One brick walls	m2	20,00		
	SUPERSTRUCTURE				
	Brickwork of NFP bricks in class II mortar including galvanised crimp wire wall ties (7 per m2 laid staggered)				
2	One brick walls	m2	73,00		
	BRICKWORK SUNDRIES				
	Brickwork reinforcement				
3	150mm Wide reinforcement built in horizontally	m	521,00		
	NUTEC-CEMENT WINDOW SILLS				
	Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc				
4	Coping on top of face brick walls	m	48,00		
	PAVING (Provisional)				
	60mm Standard grey interlocking paving blocks laid with butt joints (Prime Cost Amount R 1 000.00/1000) on 25mm thick river sand bed with sand and cement mixture swept into joints and hosed down, including preparation of ground or filling				
5	Paving in herringbone bond in aprons	m2	135,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 4				
	WATERPROOFING				
	(CPAP WORK GROUP 120 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	DAMP-PROOFING OF WALLS AND FLOORS				
	One layer of 375 micron "Consol Plastics Brikgrit DPC" embossed damp proof course				
1	In walls	m2	16,00		
	One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"				
2	Under surface beds	m2	135,00		
	JOINT SEALANTS, ETC				
	Denbraven LM15 polysulphide sealing compound including backing cord, bond breaker, primer, etc				
3	5 x 40mm In saw cut joints in floors	m	19,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 5				
	ROOF COVERINGS ETC				
	(CPAP WORK GROUP 124 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	NOTE: 1) The installation of Roof Coverings is to comply with SABS Code of Practice 0237 as applicable2) All roof sheeting shall be laid under a 5 year written guarantee for site workmanship and water tightness3) All roof sheeting to be fixed strictly in accordance with the manufacturer's instructions including fasteners, stop endings, etc.4) Allowance shall be made in the rates for mastic sealant to all side laps				
	PROFILED METAL SHEETING AND ACCESSORIES				
	0,6mm "IBR" Z275 spelter galvanised troughed sheet steel with "globalcoat" finish on one side in single lengths fixed to steel purlins and 0,6mm galvanised sheet steel accessories with "globalcoat" finish on one side				
1	Roof covering with pitch not exceeding 25 degrees	m2	172,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 6				
	CARPENTRY AND JOINERY				
	(CPAP WORK GROUP 126 UNLESS OTHERWISE STATED)				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	NOTE: Tenderers are advised to study the Standard Preambles to all trades and Supplementary Preambles before pricing this bill				
	Particle board:				
	Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type				
	Joinery:				
	Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes				
	Fixing				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete				
	Decorative laminate finish:				
	Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish				
	ROOFS, ETC				
	Plate nailed timber roof truss construction				
	The following is applicable in respect of roof trusses:Trusses are at maximum 1,10m centresRoof covering is galvanised "IBR" roof sheeting with "Globalcoat" finish on one side on 50 x 75mm purlins at 1,1m maximum centres.Ceilings are generally 6,4mm gypsum plasterboard on 38 x 38mm brundering.All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.All joints to be close fitted butt joints.Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabricaton commences.Tenderers must study the roof plan and sections as attached to the back of these bills of quantities (refer drawing No.'s ADMIN 001 to 004) and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.				
	Sawn softwood				
1	Design, manufacture and deliver on site, plate nailed roof truss construction, overall floor area of 145.7m2 on plan with 500mm eaves overhang projecting both sides, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere)	Item	1,00		
	Sundries				
2	Two coats creosote on sawn timbers (Provisional)	m2	12,00		
	EAVES , VERGES , ETC				

	Everite medium density plain nutec-cement				

3	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	54,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 7				
	STRUCTURAL STEEL (PROVISIONAL)				
	Descriptions				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete. Where anchor bolts are described as embedded in sides or soffits of concrete it shall be deemed to include holes through formwork.				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	STEEL COLUMNS AND BEAMS				
	Welded beams in single lengths with flat section bearer and connection plates bolted to concrete columns				
1	305 x 165 x 31kg/m I-section beams in lengths not exceeding 20m	t	2,00		
	Welded bracing etc with flat section connection plates bolted to steel				
2	Angle section bracing	t	2,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 8				
	PLASTERING				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	SCREEDS				
	Screeds on concrete				
1	30mm Thick on floors	m2	135,00		
	WALL PLASTER				
	One coat 3:1 cement plaster on brick walls				
2	On walls	m2	239,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 9				
	TILING				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	STONE CLADDING				
	Natural stone warehouse Autumn Mist or similar approved tile cladding				
1	50 x 50mm stone cladding fixed to external plaster (elsewhere) with approved tile adhesive and grouted with grey grout	m2	6,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 5				
	BILL NO. 10				
	PAINTWORK				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	WALL PAINT, ETC				
	One coat "Plascon" merit plaster primer, two coats "plascon" double velvet pure acrylic paint or similar approved				
1	On brick walls	m2	239,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	<u>AMPHITHEATRE:</u>				
1	Earthworks (Provisional)	Page			
2	Concrete, Formwork and Reinforcement	Page			
3	Masonry	Page			
4	Waterproofing	Page			
5	Roof Coverings, etc	Page			
6	Carpentry and Joinery	Page			
7	Structural Steelwork (Provisional)	Page			
8	Plastering	Page			
9	Tiling	Page			
10	Paintwork	Page			
	TOTAL CARRIED TO FINAL SUMMARY				

	SECTION NO. 6				
	BILL NO. 1				
	GENERAL SITE WORKS (PROVISIONAL)				
	NOTETenderers are advised to study the document "Specification of Materials and Methods to be used" (PW371) as published by the National Department of Public Works before pricing this bill				
	Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 104 for JBCC CPAP purposes				
	All excavations are measured as being in "earth" and/or filling compacted to 93% modified AASHTO density Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site and for bulking _____				
	EARTHWORKS				
	Site clearance				
1	Clear area of the site to be built upon including digging up and removing rubbish, debris, vegetation, hedges, boulders, shrubs and trees with trunk not exceeding 200mm girth	m2			Rate only
	Removal of rubble on site				
2	Extra over for temporary stockpile of material	m3			Rate only
3	Remove and stockpile overburden and/or vegetation and open up borrow pit	Item			Rate only
	Cut to fill in all materials including haul, placing of fill layers not exceeding 150mm thickness and compacting to a minimum of 93% Mod AASHTO density (provisional): (free haul distance 5km)				
4	Soft excavation	m3			Rate only
	Cut to stockpile: (free haul distance 5km)				
5	Soft excavation	m3			Rate only
	Cut to spoil: (free haul distance 5km)				
6	Soft excavation	m3			Rate only
	Extra over for excavating and breaking down material in:				
7	Intermediate excavation	m3			Rate only
8	Hard rock excavation	m3			
9	Materials bladed to window	m3			
	BORROW MATERIALS				
	Borrow to fill from stockpile: (free haul distance 5km)				
10	Soft excavations	m3			Rate only
	Borrow to fill from borrow pit: (free haul distance 5km)				
11	Soft excavation	m3			Rate only
Carried forward					

			Brought forward	
	OVERHAUL			
12	Overhaul on material (free haul distance 5km)	m3		Rate only
13	Overhaul (free haul distance 5km)	m3		Rate only
	Sub-base and base preparation			
14	Construct gravel SUB-BASE with imported G5 material from the borrow pit, 150mm thick compacted to 95% Mod AASHTO density	m3		Rate only
15	Construct gravel BASE layer with G5 material from the borrow pit, chemically stabilised with 3% cement, 150mm thick compacted to 98% Mod AASHTO density	m3		Rate only
16	Rip and compact in-situ material for roadbed/ subgrade layer to minimum of 93% Mod AASHTO density	m3		Rate only
	STABILIZATION			
	Chemical stabilizing agent			
17	Portland cement (3%)			
18	Road lime	t		Rate only
19	Process BASE by means of stabilization with a UCS > 1.5	m3		Rate only
20	Process BASE by means of stabilization with a UCS > 0.8	m3		Rate only
	SUMS PROVISIONALLY STATED BY ENGINEER			
21	Provisional sum for control testing to be carried out by an approved independent laboratory, including concrete test cubes	Item		Rate only
22	Provisional sum for staking and levelling to be carried out by an independent Engineering surveyor	Item		Rate only
	Provisional sum for accommodation for Engineer staff member	Item		Rate only
	Provisional sum for student Training Within Nkomazi Local Municipality for the entire duration of contract	Item		Rate only
23	Percentage mark-up on above items for contractor's overheads, administration charge and profit	%		Rate only
	EXISTING SERVICES			
24	Hand excavate to expose existing services	m3		Rate only
	Temporary protection of the following services:			
25	Water mains (main and house connections up to 250mm)	m		Rate only
26	GPO cables (single or bundles)	m		Rate only
27	Electrical cables (single or bundles)	m		Rate only
28	Sewer pipes	m		Rate only
29	Stormwater pipes	m		Rate only
	REHABILITATION			
30	Allow the sum of R 65 000.00 for rehabilitation	Item		Rate only
	BORROW PITS AND GENERAL			
31	Allow the sum of R 50 000.00 for borrow pits and general	Item		Rate only
	TOTAL CARRIED TO SECTION SUMMARY			

	SECTION NO. 6				
	BILL NO. 2				
	WATER RETICULATION (PROVISIONAL)				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	DOMESTIC AND FIRE WATER SUPPLY				
	HDPE pressure pipes laid in ground including excavation not exceeding 1m deep, bedding, backfilling and compaction and spoil of surplus material				
1	40mm Diameter class 12	M	250,00		
	Extra over HDPE pipes for "Plasson" fittings				
2	40 x 75mm Reducer	No	1,00		
3	40mm Elbow	No	11,00		
	uPVC pipework including short lengths and couplings laid ground including excavation not exceeding 1m deep, bedding, backfilling and compaction, and disposal of surplus material				
4	75mm Diameter class 16 uPVC	m	240,00		
	Extra over uPVC pipes for class 16 uPVC fittings				
5	75mm Elbow	No	2,00		
	WATER STORAGE TANKS, STANDS AND BOOSTER PUMP				
6	Allow for 2x 10kl storage tanks on 15m high steel stand with booster pump, including reticulation around the building	Item	1,00		
	MUNICIPAL CONNECTIONS				
	Connections				
7	Allow the amount of R20 000 (Twenty Thousand Rand) for municipal connections	Item	1,00	20 000,00	20 000,00
8	Allow for Profit on above if required	%	1,00		
9	Allow for Attendance on above if required	%	1,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 6				
	BILL NO. 3				
	SEWERS (PROVISIONAL)				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	EXCAVATION, FILLING, ETC				
	Excavation in earth				
1	Excavate in all types of materials for trench, backfill for sub-soil drain pipe	m			Rate only
	SOIL DRAINAGE				
	uPVC class 34 socketed pipework including short lengths and couplings (no excavation)				
2	Supply and lay 160mm diameter perforated pipes	m			Rate only
	CRUSHED STONE				
3	Supply and place 19mm crushed stone	m3			Rate only
4	Supply and place grade U14 KAYTECH or similar	m2			Rate only
	INSPECTION CHAMBERS				
	Brick inspection chamber including precast concrete cover slabs (covers elsewhere) and channels in benching				
5	1830 x 1830mm Inspection chamber not exceeding 1000mm deep internally	No	11,00		
	Precast concrete gulleys				
6	Precast concrete gulley with 100mm outlet	No	11,00		
	SEPTIC TANK SYSTEM				
7	Allow the amount of R 432 000.00 (Four Hundred And Fifty Thousand) for 150kl septic tank to include chlorination and odour control	Item	1,00	432 000,00	432 000,00
	TESTING DRAINAGE SYSTEM				
8	Testing drainage pipe system	Item	1,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 6				
	BILL NO. 4				
	STORMWATER DRAINAGE (PROVISIONAL)				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site and for bulking _____				
	STORMWATER DRAINAGE				
	CLASS 100D CONCRETE PIPES WITH SPIGOT AND SOCKET JOINTS WITH RUBBER RINGS INCLUDING EXCAVATIONS, BACKFILLING, ETC				
1	600mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	100,00		
	Stormwater grid inlet structure				
2	Allow the sum of R 20 000.00 for stormwater grid in let structure	Item	1,00	20 000,00	20 000,00
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 6				
	BILL NO. 5				
	PAVING (PROVISIONAL)				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	SUPPLEMENTARY PREAMBLES				
	The following Standardized Specifications form part of this Bill				
	SABS 1200B - (Bedding pipes, etc) SABS 1200C - (Site clearance SABS 1200DA - (Earthworks (small works) SABS 1200DM - (Earthworks (roads, sub grade) SABS 1200GA - (Concrete (small works) SABS 1200M - (Roads (general) SABS 1200MK - (Kerbstones and channels) SABS 1200MM - (Ancillary road works)				
	Measurement and payment				
	All measurement and payment clauses as prescribed in the above Standardized Specifications shall not apply to the work as set out in this Bill.				
	General				
	These Specifications were drawn up to cover all activities normally encountered on any of the above mentioned civil engineering work and details may therefore be encountered which will not apply to this Contract.				
	These specifications are not issued with this document but are obtainable from the South African Bureau of Standards, Private Bag X191, Pretoria 0001.				
	Attached Specifications at the back of these bills of quantities				
	PA10 PA12				
	DESCRIPTIONS				
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described				
	LAYERS FOR PLATFORMS				
1	Construct gravel layer with G5 material from the borrow pit, 150mm thick compacted to 95% Mod AASHTO density. CBR > 45	m3	61,00		
2	Finishing of final platform level including all batters/ side slopes, all backfilling necessary and grading of areas enclosed compacted to 95% Mod AASHTO density	m2	2 900,00		
	SEGMENTED PAVING				
	Construction of paving (Zig-Zag interlocking pavers) complete. The rate shall cover the units that needs to be cut to fit to the edge restraints, sand bed of 25mm to be placed below paving blocks. (SABS pre-cast concrete paving blocks or similar approved):				
3	Autumn blocks (220 x 110 x 60mm)	m2	4 150,00		
4	Grey blocks (220 x 110 x 60mm)	m2	200,00		
	Construction of paving (Bevelled paving blocks/pavers) complete. The rate shall cover the units that needs to be cut to fit to the edge restraints, sand bed of 25mm to be placed below paving blocks (SABS pre-cast concrete paving blocks or similar approved)				
5	Tan colour blocks (200 x 99 x 60mm)	m2	50,00		
6	Slate colour blocks (200 x 99 x 60mm)	m2	50,00		
7	Terracotta colour blocks (200 x 99 x 60mm)	m2	50,00		

	TOTAL CARRIED TO SECTION SUMMARY				

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	SECTION NO. 6				
	BILL NO. 6				
	SECURITY FENCING (PROVISIONAL)				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	DESCRIPTIONS				
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described				
	EARTHWORKS				
	Excavation in earth not exceeding 2m deep				
1	Holes	m3			Rate only
2	Extra over excavation in earth for holes in soft rock	m3			Rate only
3	Ditto, for hard rock	m3			Rate only
	Risk of collapse of excavations				
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2			Rate only
	Extra over all excavations for carting away				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3			Rate only
	Keeping excavations free of water				
6	Keeping excavations free of water	Item			Rate only
	Soil insecticide				
7	To bottoms and sides of trenches etc	m2			Rate only
	UN REINFORCED CONCRETE				
	Mass concrete with a coarse aggregate of 38mm and a minimum comprehensive strength of 30MPa at 28 days				
8	Base for gate, corner and intermediate post 500 x 500 x 600mm deep with top surface projecting 50mm above surrounding ground level including all necessary formwork, etc.	No	1,00		
	Concrete test cubes				
9	Prepare set of three 150 x 150 x 150mm concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Representative/Agent. Only successful tests will be paid for (Provisional)	No	10,00		
	WELDED SECURITY FENCING				
	Galvanised steel palisade security fencing, etc.				
10	Palisade security fencing in 2.1 x 3m panels made of 60 x 60 x 5mm slotted channels top and bottom rails, filled in vertically with 30 x 30 x 3mm hot rolled angle palisades 1800mm long at 150mm centres, panels fixed to 76 x 76 x 3mm posts with devils fork end at the top and bottom cast into concrete bases 500 x 500 x 600mm thick (elsewhere).	m			Rate only
	Gates, screens, etc.				
Carried forward					

Brought forward					
11	Manually operated sliding gate 6 000 x 2 440mm high overall, the outer frame of 75 x 75 x 5mm square tubing and 50 x 50 x 2.5mm welded mesh welded to frame work, complete with industrial type roller wheels rolling on ground track and mechanical operating mechanism and padbolt	No	1,00		
12	Single gate 1200 x 1800mm high of 50 x 50 x 2mm hollow section frame and 50 x 50 x 2mm hollow section horizontal middle rail, filled in with vertical cold rolled steel "C" channels of varying sizes 76 x 38 x 3mm, 50 x 25 x 2mm and 25 x 25 x 2mm; barfitted with a pair of 25mm diameter x 80mm long pin hinges welded to post; Secure lockbox for and including 5 lever lockset with deadbolt.	No	1,00		
	Plascon zinc phosphate primer undercoat and plascon super universal enamel top coat				
13	On gates, grilles, palisade fencing, etc.(both sides measured over the full flat area)	m2	24,00		
14	On steel palisade gates and framing (both sides measured flat)	m2	1 000,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	SECTION NO. 7				
	BILL NO. 7				
	RETAINING WALL (PROVISIONAL)				
	STANDARD PREAMBLES				
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill				
	DESCRIPTIONS				
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described				
	EARTHWORKS				
	Site Clearance				
1	Clear area of the site to be built upon including digging up and removing rubbish, debris, vegetation, hedges, boulders, shrubs and trees with trunk not exceeding 200mm girth	m2	213,00		
	Excavation				
2	Excavations not exceeding 1,5m deep	m3	96,00		
	Backfilling				
3	Backfill from excavation material	m3	56,00		
4	Compaction of surfaces:				
	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking adding decomposed dolerite material where necessary.	m2	213,00		
	SOIL POISONING				
	Soil insecticide				
5	To bottoms and sides of trenches etc	m2	303		
	CONCRETE, FORMWORK AND REINFORCEMENT				
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	10MPa/20mm concrete				
6	Surface blinding under footings and bases (Provisional)	m3	8,00		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25Mpa/19mm concrete				
	Strip footings	m3	43,00		
7	Top block	m3	17,00		
8	V-drain	m3	6,00		
	LOFFELSTEIN RETAINING BLOCK				
9	Loffelstein Block L500	m2	993,00		
	TOTAL CARRIED TO SECTION SUMMARY				

	<u>EXTERNAL WORKS (ALL PROVISIONAL)</u>				
1	Bulk Earthworks	Page			
2	Water Reticulation (Provisional)	Page			
3	Sewers (Provisional)	Page			
4	Stormwater Drainage (Provisional)	Page			
5	Paving (Provisional)	Page			
6	Fencing (Provisional)	Page			
7	Retaining Wall (Provisional)	Page			
	TOTAL CARRIED TO FINAL SUMMARY				

	SECTION NO. 6				
	PROVISIONAL SUMS				
	PROVISIONAL SUMS FOR NOMINATED/SELECTED SUB-CONTRACTS				
	Electrical installations				
1	Provide the amount of R 480 000.00 (Four hundred and eighty thousand) for Electrical installation	Item	1,00	480 000,00	480 000,00
2	Profit	%	1,00		
3	Allow for general attendance	%	1,00		
	Mechanical installations, kitchen equipment and air-conditioning units				
4	Provide the amount of R 1 500 000.00 (One And Half Million) for mechanical installation, kitchen equipment and air-conditioning units supplied and installed complete	Item	1,00	1 500 000,00	1 500 000,00
5	Profit	%	1,00		
6	Allow for general attendance	%	1,00		
	Steel handrail Installation				
7	Provide the amount of R 20 000.00 (Twenty Thousand Rand) for hall steel handrail installation supplied and installed complete	Item	1,00	20 000,00	20 000,00
8	Profit	%	1,00		
9	Allow for general attendance	%	1,00		
	Signage				
10	Provide the amount of R 30 000.00 (Thirty Thousand Rand) for installation of signage	Item	1,00	30 000,00	30 000,00
11	Profit	%	1,00		
12	Allow for general attendance	%	1,00		
	Landscaping				
13	Provide the amount of R 250 000.00 (Two Hundred And Fifty Thousand) for land scaping supplied and installed complete	Item	1,00	250 000,00	250 000,00
14	Profit	%	1,00		
15	Allow for general attendance	%	1,00		
	Landscaping consultant				
16	Provide the amount of R 95 000.00 (Ninety Five Thousand Rand) for nominated landscaping consultant	Item	1,00	95 000,00	95 000,00
17	Profit	%	1,00		
18	Allow for general attendance	%	1,00		
	Occupational Health And Safety Consultant				
19	Provide the amount of R 150 000.00 (One Hundred And Fifty Thousand) for OHS consultant	Item	1,00	150 000,00	150 000,00
20	Profit	%	1,00		
21	Allow for general attendance	%	1,00		
	Indoor sport court				
22	Provide the amount of R 1 500 000.00 (One Hundred And Twenty Five Thousand) for indoor sport court	Item	1,00	1 500 000,00	1 500 000,00
23	Profit	%	1,00		

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24	Allow for general attendance	%	1,00		
	Training				
25	Provide the amount of R 140 000.00 (One Hundred And Forty Thousand) for training	Item	1,00	140 000,00	140 000,00
26	Profit	%	1,00		
27	Allow for general attendance	%	1,00		
28	Environmental Officer				
Carried forward					

Brought forward					
29	Provide the amount of R 110 000.00 (Two Hundred And Fifty Thousand) for Environmental Officer	Item	1,00	110 000,00	110 000,00
30	Profit	%	1,00		
31	Allow for general attendance	%	1,00		
32	P. A System, Digital Projector and Screen				
33	Provide the amount of R 200 000.00 (Two Hundred Thousand Rand) for supply, delivery and installation of a P. A System, Projector and screen to be executed under Nominated agreement	Item	1,00	200 000,00	200 000,00
34	Profit	%	1,00		
35	Allow for general attendance	%	1,00		
36	Stage curtain, lighting and accessories				
37	Provide the amount of R 200 000.00 (Two Hundred Thousand Rand) for supply, delivery and installation of a stage curtains, lighting and accessories to be executed under Nominated agreement	Item	1,00	200 000,00	200 000,00
38	Profit	%	1,00		
39	Allow fo generalattendance	%	1,00		
40	Office furniture, hall furniture and outside seating				
41	Provide the amount of R 400 000.00 (Four Hundred Thousand Rand) for supply, delivery and installation of furniture for offices, hall and outside seating to be executed under nominated agreement	Item	1,00	400 000,00	400 000,00
42	Profit	%	1,00		
43	Allow for general attendance	%	1,00		
Carried forward					

				Brought forward	
44	Cabinatory and Joinery work				
45	Provide the amount of R 100 000.00 (Hundred Thousand Rand) for supply, delivery and installation of cabinatory and joinery work to be executed under Nominated agreement	Item	1,00	100 000,00	100 000,00
46	Profit	%	1,00		
47	Allow for general attendance	%	1,00		
	TOTAL CARRIED TO FINAL SUMMARY				

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	FINAL SUMMARY:				
1	PRELIMINARIES	Page			
2	RENOVATIONS AND ALTERATIONS (PROVISIONAL)	Page			500 000,00
2	COMMUNITY HALL	Page			
3	GUARD HOUSE	Page			
4	AMPHITHEATER	Page			
5	EXTERNAL WORKS (ALL PROVISIONAL)	Page			
6	PROVISIONAL SUMS	Page			
	SUB TOTAL (A)	ST			
	CONTINGENCIES				
	Allow R 1 000 000.00 (One Million) for contingencies to be used as directed by the Engineer and deducted in whole or in part if not required	Item	1,00	1 000 000,00	1 000 000,00
	COMMUNITY LIASON OFFICER				
	Provide the amount of R 45,000.00 (Ninety Thousand Rand @ R7 500.00/Month x 6 Months) for the appointment of community liaison officer	Item	1,00	45 000,00	45 000,00
	SUB TOTAL (B)	ST			
	Add: Value Added Tax @ 15.0%	TAX			
	TOTAL CARRIED TO FORM OF OFFER	T			

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PART C3

SCOPE OF WORK

CONTENTS

- C3. SCOPE OF WORK
- C3.1. BUILDING WORK
- C3.2. Construction
- C3.3. MANAGEMENT
- C3.4. Drawing Descriptions
- C3.5. PROJECT SPECIFICATIONS

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SCOPE OF WORK

BUILDING WORKS

PS 1 GENERAL DESCRIPTION OF WORKS

This contract entails the construction of the following:

Building Works:

Main hall to seat 1000 people with indoor Sports (Netball/Basket Ball of approximately 1250m²

1xOffice of 15m²

Boardroom of 50m²

Mini Library of 38m²

Computer Centre of 38m²

Kitchen of 20m²

Ablution Facilities of 40m²

Disable Toilet of 8m²

Pay Point of 15m²

Services

Earthworks

Paving around the building

Storm water control infrastructure

Sewer infrastructure and Septic Tank

Water Infrastructure and Onsite Storage Tank,

Installation of Electrical Infrastructure

External

500m Palisade Steel Fencing

Gate (Pedestrian and Vehicle) no 3

Landscaping the area 1800m²

Mechanical Works

Kitchen equipment, cooking area with extractor hood & hood & fan, preparation area/table, accessories & storage area

Extractors fans in the ablutions

Door grilles in the ablutions for cross ventilation

Hand driers in the ablutions

Air conditions

2X1500 liters Geyser

Hot water piping reticulation

Installation of LP Gas Reticulation

Construction

3.2.1 Setting out of Works (Sub clause 5.1.1)

The Employer shall arrange for the Contractor to be given sufficient reference pegs from which to work. The value of all bench marks shall be given in writing. The Contractor shall bear the cost of any re-survey and the cost of re-establishment or checking of any pegs, bench marks, etc. disturbed, destroyed or interfered with in any way and the cost of any survey to prove the accuracy of the setting out after any disturbance of or interference with any peg or bench mark. All surveys or re-survey shall be by Surveyors appointed by the Employer.”

3.2.2 Applicable national and international standards

SABS 1200

3.2.3 Particular / generic specifications

The relevant provisions of the SABS 1200 (1981edition) shall apply to the contract with the following amendments:

Replace clause with the following:

The Conditions of Contract are clauses 1 to 41 of the JBCC Series 2000 Principal Building Agreement (Edition 5 of July 2007) general conditions published by Joint Building Contracts Committee read in conjunction with the Contract Data.

3.2.4 EPWP labour intensive specification

3.2.4.1 Labour intensive competencies of supervisory and management staff

Contractors having a CIDB contractor grading designation of 3GB and higher shall only engage supervisory and management staff in labour intensive works who have either completed, or for the period 1 April 2006 to 30 June 2007, are registered for training towards, the skills programme outlined in Table 1.

The managing principal of the contractor, namely, a sole proprietor, the senior partner, the managing director or managing member of a close corporation, as relevant, having a contractor grading designation of 3GB shall have personally completed, or for the period 1 April 2006 to 30 June 2007 be registered on a skills programme for the NQF level 2. All other site supervisory staff in the employ of such contractors must have completed, or for the period 1 April 2006 to 30 June 2007 be registered on a skills programme for, the NQF level 2-unit standards or NQF level 4-unit standards.

3.2.4.2 Employment of unskilled and semi-skilled workers in labour-intensive works

3.2.4.2.1 Requirements for the sourcing and engagement of labour.

3.2.4.2.1.1 Unskilled and semi-skilled labour required for the execution of all labour intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.

3.2.4.2.1.2 Tasks established by the contractor must be such that: the average worker completes 5 tasks per week in 40 hours or less; and the weakest worker completes 5 tasks per week in 55 hours or less.

3.2.4.2.1.3 The contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements of 3.2.4.2.1.2.

3.2.4.2.1.4 The Contractor shall, through all available community structures, inform the local community of the labour intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and / or who come from households:

where the head of the household has less than a primary school education;
that have less than one full time person earning an income;
where subsistence agriculture is the source of income.
those who are not in receipt of any social security pension income

3.2.4.2.1.6 The Contractor shall endeavour to ensure that the expenditure on the employment of temporary workers is in the following proportions:

60 % women;
20% youth who are between the ages of 18 and 25; and
2% on persons with disabilities.

3.2.4.2.2 Specific provisions pertaining to SANS 1914-5

3.2.4.2.2.1 Definitions

Targeted labour: Unemployed persons who are employed as local labour on the project.

3.2.4.2.2.2 Contract participation goals

3.2.4.2.2.2.1 There is no specified contract participation goal for the contract. The contract participation goal shall be measured in the performance of the contract to enable the employment provided to targeted labour to be quantified.

3.2.4.2.2.2.2 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.

3.2.4.2.2.3 Terms and conditions for the engagement of targeted labour

Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts shall be entered into with targeted labour.

3.2.4.2.2.2.4 Variations to SANS 1914-5

3.2.4.2.2.2.4.1 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.

3.2.4.2.2.2.4.2 The schedule referred to in 5.2 shall in addition reflect the status of targeted labour as women, youth and persons with disabilities and the number of days of formal training provided to targeted labour.

3.2.4.2.2.2.5 Training of targeted labour

3.2.4.2.2.2.5.1 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.

3.2.4.2.2.2.5.2 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.

3.2.4.2.2.2.5.4 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.

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

3.2.4.2.2.2.5.6 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 3.4.4.2.2.2.5.4 above.

3.2.4.2.2.2.5.5 Proof of compliance with the requirements of 3.4.4.2.2.2.5.2 to 3.4.4.2.2.2.5.6 must be provided by the Contractor to the Employer prior to submission of the final payment certificate.

3.2.5 Plant and equipment

Add Subclause 3.4.5: Restriction on the use of plant.

“Except for the type of plant, and to the extent permitted in terms of the project specification or approved by the Engineer, in writing, the Contractor shall use only hand tools and equipment in the construction of the Works, or portion(s) of the Works, that are required in terms of the project specification to be constructed using labour intensive methods.

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Failure by the Contractor to adhere to this clause will put him in breach of contract. The provisions contained in this contract with regard to labour content and labour intensive construction, are binding, and will be enforced accordingly.”

The plant and equipment used on the site shall not be inferior to that described in the Schedule of Plant and Equipment.

MANAGEMENT**3.3.1 Applicable SANS 1921 standards**

The following parts of SANS 1921 Construction works standards and associated specification data are applicable to the works:

SANS 1921-1:2004

SANS 1921-2:2004

SANS 1921-6:2004

The abovementioned South African National Standards make several references to the Specification Data for data, provisions and variations that make these standards applicable to this contract. The Specification Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and these standards.

Each item of Specification Data given below is cross-referenced to the clause in the standard to which it mainly applies.

The associated Specification Data is as follows:

SANS 1921-1, Construction and management requirements for works contracts – Part 1: General engineering and construction works	
Clause	Specification data
Essential data	
3.3.2	There are no requirements for drawings, information and calculations for which the contractor is responsible
3.3.3	The responsibility strategy assigned to the contractor for the works is A.
3.3.4	The planning, programme and method statements are to comply with the following: format of programme, critical path activities and their dependencies, frequency of updating,
3.3.5	The notice period for inspection is 5 Days
3.3.6	The over break allowances for blasting are provided for in the scope of work.
3.3.7	The trees and shrubs which are not to be disturbed are identified in the scope of work.
3.3.8	The samples of materials, workmanship and finishes that the contractor is to provide and deliver to the employer are: 1)concrete works 2) pressure testing results done.
3.3.8	The office accommodation, equipment, accommodation for site meetings and other facilities for use by the employer and his agents are: 1) Site office which shall be used for site meetings and for the contractor's use. Such an office shall comprise a minimum of 20m ² in area and 3 m high, be ventilated, have good lamination, must be reasonably sound proof, and have a hard floor construction. It shall be furnished with a desk on which drawings can be rolled open and on which there is sufficient writing space and sufficient temporary chairs or benches to accommodate all persons present at site meetings.
3.3.9	The Contractor is required to provide latrine and ablution facilities.
3.3.10	The requirements for the provision and erection of separate sign boards for consultants and subcontractors are: 1) The boards must comply with the official standard type signboard of the Employer and be at least 2750 x 1800 mm high. 2) The boards must be constructed with a firm flat exposed face using suitable material of firm construction, painted and lettered according to the standard drawings available from the Employer on request and mounted on sturdy pipe-standards at a height of 1800 mm above natural ground level.
3.3.10	The requirements for the termination, diversion or maintenance of existing services are:

	1) Water 2) Electricity 3) Sanitation
3.3.11	Services which are known to exist on the site are: 1) Water 2) Sanitation 3) Electricity
3.3.12 Additional clauses	
1 Site meetings and procedures The Employer's Representative and the Contractor shall hold meetings relating to the progress of the works at regular intervals and at other such times as may be necessary. The Contractor shall attend all site meetings and shall ensure that all persons under his jurisdiction are notified timeously of all site meetings should the Employer's Representative require their attendance at such meetings. The Contractor shall keep on site a set of minutes of all site meetings, daily records of resources (people and equipment employed), a site instruction book, a complete set of contract working drawings and a copy of the procurement document and make these available at all reasonable times to all persons concerned with the contract. 2 Water The Contractor is to provide, and remove and make good upon completion, all the necessary temporary plumbing connections and purchase water from the local authority for the works at his own cost. 3. Electricity The Contractor is to provide, and remove and make good upon completion, all the necessary temporary electrical connections and installations and purchase electricity from the local authority / Eskom for the works at his own cost.	

3.3.13 Particular / generic specifications

The management of the site shall be in accordance with the provisions of the COLTO Standard Specification for Road and Bridge Works for State Authorities (1998 edition), obtainable from the South African Institution of Civil Engineering.

3.3.14 Recording of weather

The Contractor shall erect an effective rainfall gauge on the site and record the daily rainfall figures in a book. Such book shall be handed to the employer's representative for his signature no later than 12 days after rain that is considered to justify an extension of time occurs.

3.3.15 Unauthorised persons

The Contractor shall keep unauthorized persons from the works at all times. Under no circumstances may any person except guards be allowed to sleep on the building site.

3.3.16 Management meetings

Site meetings will be held on a monthly basis. The following parties are required to attend these meetings: the Employer's Representative, the Engineer and/or Representative, the Contractor and/or Representative, the Community Liaison Officer, the Health and Safety Officer and all members of the Project Steering Committee.

3.3.17 Forms for contract administration

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These forms will be issued to the Contractor as required.

3.3.18 Electronic payments

Proof of all electronic payments must on request be supplied to the Employer.

3.3.19 Daily records

All accidents and incidents shall be recorded daily in a site diary. Apart from the site diary the Contractor shall provide a site instruction notebook for use by the Engineer. The notebook shall be signed by both the Engineer and the Contractor whenever a site instruction is issued by the Engineer.

3.3.20 Payment certificates

Contractor to submit claims for the work done. All claims are subjected to verification by the Principal agent.

3.3.21 Permits

Contractor to ensure that no unauthorised persons are permitted to site.

3.3.22 Proof of compliance with the law

Contractor to submit copies of the CIDB Registration and the Company Registration Certificates.
Milestones.

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Drawing Descriptions

Construction drawings to be issued during site handover meeting:

3.4.1 Key plans

All key plans for this type of project are included in the tender document as “Part C.5.2 Contract Drawings”.

3.4.2 Typical details

All typical details for this type of project are included in the tender document as “Part C.5.2 Contract Drawings”.

3.4.3 Construction drawings

The drawings used for setting up the Bills of Quantities are as indicated above in paragraph 3.4.1 and 3.4.2.

project specification

PS 2 DESCRIPTION OF THE SITE AND ACCESS

Refer to the “PART C.4 Site Information”.

PS 3 DOCUMENTATION

PS 3.1 The Provisional Bill of Quantities is included in this document and must be completed and handed in with the tender.

PS 3.2 The drawings, for tender purposes, listed under part C3.2 are applicable to this contract

PS 3.3 The Tenderer shall check the Bills of Quantities for missing or duplicated pages or drawings and should any be missing or duplicated, or the reproduction be indistinct, or if any doubt exists as to the full intent or meaning of any particulars or description, or this Bills of Quantities contain any obvious errors, the Tenderer shall notify the Engineer at once who shall promptly give a written directive. No liability whatsoever will be admitted in respect of errors in any tender due to the abovementioned causes.

No alteration, erasure, omission or addition is to be made in the text and conditions of these Bills of Quantities or other documents. Should any such alterations, amendment, note or addition is made, it will not be recognised and the text of the Bills of Quantities or other documents as prepared by the Representative must be adhered to.

PS 3.4 The Tenderer shall examine all documents and shall thoroughly acquaint himself with the nature and extent of the Works and the manner in which they are to be executed as no claim for extra payment in this connection will be entertained.

PS 4 NATURE OF GROUND AND SUBSOIL CONDITIONS ON SITE

No bore tests or investigation of the in-situ material were done.

The water table may be relatively high during the summer months and provision must be made for effective draining of excavations.

It is the Contractor's responsibility to supply and deliver all material that complies with the minimum standards as well as for the building and maintaining of access roads to the works on site, haul areas or dumping sites. No additional payment will be applicable to the above-mentioned, other than the relevant items in the schedule of quantities.

No trial holes were dug along the network layout. Note that the prospective tenderers shall acquaint themselves with the nature of materials on site.

PS 5 DETAILS OF THE CONTRACT

PS 5.1 MAIN CONTRACT

Work included in this contract involves the scope of work as per paragraph PS1.

The other main components of the work under this contract are:

- a) Establishment of the Contractor's camp.
 - b) Site clearance and earthworks.
 - c) Provision of all materials and accessories as required, to complete the work as prescribed.
 - d) Excavation/import material from commercial source and backfill compacted as specified, of trenches and the removal of all excess material.
- Concrete work associated with the abovementioned equipment.
Commissioning of the works.
Maintenance on the works for a twelve month period.

PS 6 CONSTRUCTION PROGRAM AND METHODS

The construction site is situated in a built-up area; the Contractor shall ensure the least possible disruption of movement of the public during construction.

Construction methods must be of such a nature that no property or life is endangered. The Employer accepts no responsibility for work that is done without consent by the Principal agent outside the site boundaries. The Contractor himself is responsible for liaison and arrangements with the Local Authority in connection with the finalisation and approval of the construction program.

The Contractor is responsible for liaison and the necessary arrangements with the relevant road authorities in respect of the finalisation and approval of the works programme.

Sufficient photos of existing structures, walls, and areas that have to be crossed must be taken by the Contractor and handed over to the Principal agent before such operations commence. No payment will be made in this regard and it shall be deemed to be covered in the Preliminary and General items.

Local labourers must do the trench preparation, bedding, handling, laying and backfilling of pipes and fittings. The contractor is responsible to liaise with the Labour Desk for labourers.

No separate payment shall be made for any arrangements with relative local authorities for closing off the current water supply or for the distribution of notices to the public.

The compilation of the construction programme and any amendments thereto during the course of construction shall be at the cost of the Contractor and shall not be measured elsewhere in this contract. The contract has to be completed within the time specified in the "Contract Data" of this document, excluding the builder and public holidays.

PS 7 SITE FACILITIES AVAILABLE

PS 7.1 SOURCES OF WATER SUPPLY, POWER SUPPLY, SANITATION, AND COMMUNICATION

Water for construction purposes will be for the account of the contractor at the ruling tariff and will be supplied at a suitable point, from where the contractor will be responsible to convey the water to the point of usage. Water for human consumption will from the existing network at the ruling tariff. Electrical power is available from the existing reticulation at ruling tariffs. The Contractor shall make his own arrangement for any water or power he may require. Any extension of time due to delays resulting from these facilities will not be granted.

The Contractor must supply and maintain at his own cost a sufficient number of portable chemical toilets, one of which must be situated at the campsite and the rest in the area of the site.

No waste or sludge must be left uncovered until it is removed. The contractor must operate an efficient solid waste removal system to the satisfaction of the engineer for the duration of the contract.

The Contractor must make his own arrangement for communication and a telephone service.

PS 7.2 LOCATION OF CAMP AND DEPOT

A site for the Contractor's camp and depot will be pointed out during the site inspection. No trees may be removed and the Contractor must provide his own firewood.

PS 7.3 HOUSING FOR CONTRACTOR'S EMPLOYEES

No housing is available for the Contractor's employees, and the Contractor shall make his own arrangements for housing his employees or transporting them to and from the site. The Contractor is in all respects responsible for the housing and transporting of his employees, and for the arrangement thereof, and no extension of time due to any delays resulting from this, will be granted.

PS 8 SITE FACILITIES REQUIRED

No housing is required for Consultants. Other facilities such as an office, telephone, name board, survey equipment, etc. required for the Principal agent, are described under the relevant sections.

PS 9 FEATURES REQUIRING SPECIAL ATTENTION

PS 9.1 CONTROL OF WATER

The Contractor is in all respects responsible for the handling of storm water from higher-laying areas, adjacent to the works for the handling of possible sub-surface water and for the handling of spoiled water when

disconnecting existing connections or valves. No separate payment shall be made for this, as all costs related thereto shall be deemed to be included elsewhere in the tendered rates.

PS 9.2 "AS BUILT" DRAWINGS

As the work progresses, the Contractor shall keep full records of all amendments to and deviations from the drawings as issued to the Contractor at the start of the contract. The true positions, invert levels and ground levels of all services shall be indicated on the drawings, for which purpose the Contractor shall receive a separate complete set of drawings from the Principal agent, at no cost.

The completion certificate shall only be issued after the Engineer has received a properly completed set of "as-built" drawings from the Contractor. No separate payment shall be made for this service, as all costs related thereto shall be deemed to be included in the related items.

PS 9.3 FINISHING AND TIDYING

Progressive and systematic finishing and tidying will form an essential part of this contract. Under no circumstances shall spoil, rubble, materials, equipment or unfinished operations be allowed to accumulate unnecessarily and in the event of this occurring the Principal agent shall have the right to withhold payment for as long as necessary in respect of the relevant works in the area(s) concerned.

PS 9.4 survey beacons

No setting out of the pipeline route was done. All proposed pipelines shall be parallel (at least 2,5 m away) to the existing yard boundaries. No separate payment shall be made for this, as all costs related thereto shall be deemed to be included elsewhere in the tendered rates.

PS 9.5 Construction Modus Operandi

Labour-based or labour-intensive construction may be defined as the economically efficient employment of as much labour as is technically feasible to produce as high a standard of construction as demanded by the specification and allowed by the funding available. In other words, projects based on labour-intensive principles aim at devoting the highest feasible proportion of projects costs to unskilled, semi-skilled and skilled labour without jeopardising the technical quality of the product demanded by the specification.

The following regulations must be adhered to so as to ensure that the construction methods used are labour intensive.

i) The remuneration to local labour for hourly-rated employees and/or daily-based work shall be in accordance with the terms and conditions of Proclamation R1841 of Government Gazette 16833 dated 24 November 1995 or its latest amendment.

ii) The name, identification number, task performed, and hours worked per day for each labourer shall be recorded by the Contractor. These records shall be submitted to the secretary of the Project Steering Committee on the second working day of each week following the recounted week.

The employment of local labour must be at least 30%, if at all possible, of the total contract amount. The 30% must be divided as follows:

Percentage of labour	Description
50%	Women
15%	Youth (Above school, but under 36)
1.5%	Disabled persons

C3.4.3 PROJECT SPECIFICATIONS: ADDITIONAL SPECIFICATIONS CONTENTS

C3.4.3.1 REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT REGULATIONS

C3.4.3.2 ENVIRONMENTAL MANAGEMENT PLAN

C3.4.3.3 PROVISION OF STRUCTURED TRAINING

C3.4.3.4 PROVISION OF THE TEMPORARY WORKFORCE

C3.4.3.1 OCCUPATIONAL HEALTH AND SAFETY ACT 1993: HEALTH AND SAFETY SPECIFICATION

1. PREAMBLE

In terms of Construction Regulation 4(1)(a) of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), the Nkomazi Local Municipality, as the Client, shall be responsible to prepare Health & Safety Specifications for any intended construction project and provide any Principal Contractor who is making a bid or appointed to perform construction work for the Client on its behalf with the same.

The Client's further duties are as described in The Act and the Regulations made there-under. The Principal Contractor shall be responsible for the Health & Safety Policy for the site in terms of Section 7 of the Act and in line with Construction Regulation 5 as well as the Health and Safety Plan for the project.

This 'Health and Safety Specifications' document is governed by the "Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), hereinafter referred to as 'The Act'. Notwithstanding this, cognisance should be taken of the fact that no single Act or its set of Regulations can be read in isolation. Furthermore, although the definition of Health and Safety Specifications stipulates 'a documented specification of all health and safety requirements pertaining to associated works on a construction site, so as to ensure the health and safety of persons', it is required that the entire scope of the Labour legislation, including the Basic Conditions of Employment Act be considered as part of the legal compliance system. With reference to this specification document this requirement is limited to all health, safety and environmental issues pertaining to the site of the project as referred to here-in. Despite the foregoing it is reiterated that environmental management shall receive due attention.

Due to the wide scope and definition of construction work, every construction activity and site will be different, and circumstances and conditions may change even on a daily basis. Therefore, due caution is to be taken by the Principal Contractor when drafting the Health and Safety Plan based on these Health and Safety Specifications. Prior to drafting the Health and Safety Plan, and in consideration of the information contained here-in, the contractor shall set up a Risk Assessment Program to identify and determine the scope and details of any risk associated with any hazard at the construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard. This Risk Assessment and the steps identified will be the basis or point of departure for the Health and Safety Plan. The Health and Safety Plan shall include documented 'Methods of Statement' (see definitions under Construction Regulations) detailing the key activities to be performed in order to reduce as far as practicable, the hazards identified in the Risk Assessment.

2. SCOPE OF HEALTH AND SAFETY SPECIFICATION

The Health and Safety Specifications pertaining to this project; cover the subjects contained in the index and is intended to outline the normal as well as any special requirements of the Client pertaining to the health and safety matters (including the environment) applicable to the project in question. These Specifications should be read in conjunction with the Act, the Construction Regulations and all other Regulations and Safety Standards which were or will be promulgated under the Act or incorporated into the Act and be in force or come into force during the effective duration of the project. The stipulations in this specification, as well as those contained in all other documentation pertaining to the project, including contract documentation and technical specifications shall not be interpreted, in any way whatsoever, to countermand or nullify any stipulation of the Act, Regulations and Safety Standards which are promulgated under, or incorporated into the Act.

3. PURPOSE

The Client is obligated to implement measures to ensure the health and safety of all people and properties affected under its custodianship or contractual commitments, and is further obligated to monitor that these measures are structured and applied according to the requirements of these Health and Safety Specifications.

The purpose of this specification document is to provide the relevant Principal Contractor with any information other than the standard conditions pertaining to construction sites which might affect the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; and to protect persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work during the carrying out of construction work for the Nkomazi Local Municipality. The Principal Contractor is to be briefed on the significant health and safety aspects of the project and to be provided with information and requirements on inter alia:

- a) Safety considerations affecting the site of the project and its environment;
- b) Health and safety aspects of the associated structures and equipment;
- c) Submissions on health and safety matters required from the Principal Contractor and,
- d) The Principal Contractor's health & safety plan.

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To serve to ensure that the Principal Contractor is fully aware of what is expected from him/her with regard to the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Regulations made there-under including the applicable safety standards, and in particular in terms of Section 8 of the Act.

To inform the Principal Contractor that the Occupational Health and Safety Act, 1993 (Act 85 of 1993) in its entirety shall apply to the contract to which this specification document applies. The Construction Regulations shall apply to any person involved in construction work pertaining to this project, as will the Act.

4. DEFINITIONS

“Purpose of the Act” –

To provide for the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; the protection of persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work; to establish an advisory council for occupational health and safety; and to provide for matters connected therewith.

“Agent” –

means any person who acts as a representative for a client;

“Client” –

means any person for whom construction work is performed;

“Construction Work” is defined as any work in connection with –

the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;

the installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;

the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or

the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;

“Contractor” –

means an employer, as defined in Section 1 of the Act, who performs construction work and includes Principal Contractors;

“Health and Safety File” –

means a file, or other record in permanent form, containing the information required or contemplated in the regulations;

“Health and Safety Plan” –

means a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified;

“Health and Safety Specification” –

means a documented specification of all health and safety requirements pertaining to the associated works on a construction site, so as to ensure the health and safety of persons;

“Method Statement” –

means a document detailing the key activities to be performed in order to reduce as reasonably as practicable the hazards identified in any risk assessment;

“Principal Contractor” –

means an employer, as defined in section 1 of the Act who performs construction work and is appointed by the client to be in overall control and management of a part of or the whole of a construction site;

“Risk Assessment” –

means a program to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard.

5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

5.1 Structure and Organisation of OH&S Responsibilities

5.1.1. Overall Supervision and Responsibility for OH&S

The Client and/or its Agent on its behalf to ensure that the Principal Contractor, appointed in terms of Construction Regulation 4(1)(c), implements and maintains the agreed and approved H&S Plan. Failure on the part of the Client or Agent to comply with this requirement will not relieve the Principal Contractor from any one or more of his/her duties under the Act and Regulations.

The Chief Executive Officer of the Principal Contractor in terms of Section 16 (1) of the Act to ensure that the Employer (as defined in the Act) complies with the Act.

All OH&S Act (85 /1993), Section 16 (2) appointee/s as detailed in his/her/their respective appointment forms to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

The Construction Supervisor and Assistant Construction Supervisor/s appointed in terms of Construction Regulation 6 to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

All Health and Safety Representatives (SHE-Reps) shall act and report as per Section 18 of the Act.

5.1.2. Legal Appointments

Several appointments or designations of responsible and /or competent people in specific areas of construction work are required by the Act and Regulations. The following competent appointments, where applicable, in terms of the Construction Regulations are required to ensure compliance to the Act, Regulations and Safety Standards.

Required appointments as per the Construction Regulations:-

Item	Regulation	Appointment	Responsible Person
1.	4(1)(c)	Principal contractor for each phase or project	Client
2.	5.(3)(b)	Contractor	Principal Contractor
3.	5(11)	Contractor	Contractor
4.	6(1)	Construction supervisor	Contractor
5.	6(2)	Construction supervisor sub-ordinates	Contractor
6.	6(6)	Construction Safety Officer	Contractor
7.	7(1)	Person to carry out risk assessment	Contractor
8.	7(4)	Trainer/Instructor	Contractor
9.	8(1)(a)	Fall protection planner	Contractor
10.	10 (a)	Formwork & support work supervisor	Contractor
11.	10(e) + (f)	Formwork & support work examiner	Contractor
12.	11(1)	Excavation supervisor	Contractor
13.	11(3)(b)(ii)(b)	Professional engineer or technologist	Contractor
14.	11(3)(k)	Explosives expert	Contractor
15.	12(1)	Supervisor demolition work	Contractor
16.	12(2) + (3)	Demolition expert	Contractor
17.	12(11)	Explosives expert	Contractor
18.	14(2)	Scaffold supervisor	Contractor
19.	15(1)	Suspended platform supervisor	Contractor
20.	15(2)(c)	Compliance plan developer	Contractor
21.	15(8)(c)	Suspended platform expert	Contractor
22.	15(13)	Outrigger expert	Contractor
23.	17(8)(a)	Material hoist inspector	Contractor
24.	18(1)	Batch plant supervisor	Contractor

Item	Regulation	Appointment	Responsible Person
25.	18(7)	Batch plant operator	Contractor
26.	19(2)(b)	Power tool expert	Contractor
27.	19.2 (g) (i)	Power tool controller	Contractor
28.	20(f)	Tower crane operator	Contractor
29.	21(1)(d)(i)	Construction vehicle and mobile plant operator	Contractor
30.	21(1)(j)	Construction vehicle and mobile plant inspector	Contractor
31.	22(d)	Temporary electrical installations inspector	Contractor
32.	22 (e)	Temporary electrical installations controller	Contractor
33.	26 (a)	Stacking and storage supervisor	Contractor
34.	27 (h)	Fire equipment inspector	Contractor

This list may be used as a reference or tool to determine which components of the Act and Regulations would be applicable to a particular site. This list must not be assumed to be exclusive or comprehensive.

5.2 Communication & Liaison

5.2.1 OH&S Liaison between the Employer, the Principal Contractor, the other Contractors, the Designer and other concerned parties shall be through the project Committee as per the procedures determined by the project Committee.

5.2.2 In addition to the above, communication may be directly to the Client or his appointed Agent, verbally or in writing, as and when the need arises.

5.2.3 Consultation with the workforce on OH&S matters will be through their Supervisors and H&S Representatives ('SHE – Reps')

5.2.4 The Principal Contractor will be responsible for the dissemination of all relevant OH&S information to the other Contractors e.g. design changes agreed with the Client and/or its Agent on its behalf and the Designer, instructions by the Client and/or his/her agent, exchange of information between Contractors, the reporting of hazardous/dangerous conditions/situations etc.

6. RESPONSIBILITIES

6.1 Client

6.1.1 The Client or his appointed Agent on his behalf will appoint each Principal Contractor for this project in writing for assuming the role of Principal Contractor as intended by the Construction Regulations and determined by the Bills of Quantities.

6.1.2 The Client or his appointed Agent on his behalf shall discuss and negotiate with the Principal Contractor the contents of the health and safety plan of the both Principal Contractor and Contractor for approval.

6.1.3 The Client or his appointed Agent on his behalf, will take reasonable steps to ensure that the health and safety plan of both the Principal Contractor and Contractor is implemented and maintained. The steps taken will include periodic audits at intervals of at least once every month.

6.1.4 The Client or his appointed Agent on his behalf, will prevent the Principal Contractor and/or the Contractor from commencing or continuing with construction work should the Principal Contractor and/or the Contractor at any stage in the execution of the works be found to:

have failed to have complied with any of the administrative measures required by the Construction Regulations in preparation for the construction project or any physical preparations necessary in terms of the Act;

have failed to implement or maintain their health and safety plan;

have executed construction work which is not in accordance with their health and safety plan; or

act in any way which may pose a threat to the health and safety of any person(s) present on the site of the works or in its vicinity, irrespective of him/them being employed or legitimately on the site of the works or in its vicinity.

6.2 Principal Contractor

6.2.1 The Principal Contractor shall accept the appointment under the terms and Conditions of Contract. The Principal Contractor shall sign and agree to those terms and conditions and shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3 of the Construction. The Principal Contractor shall submit the notification in writing prior to commencement of work and inform the Client or his Agent accordingly.

6.2.2 The Principal Contractor shall ensure that he is fully conversant with the requirements of this Specification and all relevant health and safety legislation. This Specification is not intended to supersede the Act nor the Construction Regulations or any part of either. Those sections of the Act and the Construction Regulations which apply to the scope of work to be performed by the Principal Contractor in terms of this contract will continue to be legally required of the Principal Contractor to comply with. The Principal Contractor will in no manner or means be absolved from the responsibility to comply with all applicable sections of the Act,

the Construction Regulations or any Regulations proclaimed under the Act or which may perceivable be applicable to this contract.

6.2.3 The Principal Contractor shall provide and demonstrate to the Client a suitable and sufficiently documented health and safety plan based on this Specification, the Act and the Construction Regulations, which shall be applied from the date of commencement of and for the duration of execution of the works. This plan shall, as appendices, include the health and safety plans of all Sub-contractors for which he has to take responsibility in terms of this contract.

6.2.4 The Principal Contractor shall provide proof of his registration and good standing with the Compensation Fund or with a licensed compensation insurer prior to commencement with the works.

6.2.5 The Potential Principal Contractor shall, in submitting his tender, demonstrate that he has made provision for the cost of compliance with the specified health and safety requirements, the Act and Construction Regulations.

6.2.6 The Principal Contractor shall consistently demonstrate his competence and the adequacy of his resources to perform the duties imposed on the Principal Contractor in terms of this Specification, the Act and the Construction Regulations.

6.2.7 The Principal Contractor shall ensure that a copy of his health and safety plan is available on site and is presented upon request to the Client, an Inspector, Employee or Sub-contractor.

6.2.8 The Principal Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the provisions of this Specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Client or Inspector upon request. Upon completion of the works, the Principal Contractor shall hand over a consolidated health and safety file to the Client.

6.2.9 The Principal Contractor shall, throughout execution of the contract, ensure that all conditions imposed on his Sub-contractors in terms of the Act and the Construction Regulations are complied with as if they were the Principal Contractor.

6.2.10 The Principal Contractor shall from time to time evaluate the relevance of the Health and Safety Plan and revise the same as required, following which revised plan shall be submitted to the Client and/or his/her Agent for approval.

7. SCOPE OF WORK

These specifications are applicable to the specific scope of work pertaining to the project as detailed in the tender documents. Refer to Project specification.

8. HEALTH AND SAFETY FILE

The Principal Contractor must, in terms of Construction Regulation 5(7), keep a Health & Safety File on site at all times that must include all documentation required in terms of the Act and Regulations and must also include a list of all Contractors on site that are accountable to the Principal Contractor and the agreements between the parties and details of work being done.

The Health and Safety File will remain the property of the Client and/or its Agent on its behalf throughout the period of the project and shall be consolidated and handed over to the Client and/or its Agent on its behalf at the time of completion of the project.

The safety file shall contain the following documentations:

Safety reports,
Notification documents,
Appointment letters,
Records of incidents,
Records of training,
Records of safety meetings,
Records of PPE provision,
And any other document related to safety issues on site.

9. MONITORING AND REVIEWING OH&S PERFORMANCE

The Principal Contractor is required to maintain acceptable incident rate and report on this to the Client and/or its Agent on its behalf on a monthly basis. The frequency rates must reflect permanent disability, lost workdays, restricted workdays, medical treatment and first aid treatment.

10. HAZARD IDENTIFICATION AND RISK ASSESSMENT

The Principal Contractor is required to develop Risk Assessments, Standard Working Procedures (SWP) and Method Statements for each activity executed in the contract or project. The identification of hazards is over and above the hazards identification program and those hazards identified during the drafting of the Health and Safety Plan. Hazard identification should be conducted continuously over and above the baseline risk assessment.

11. ARRANGEMENTS FOR MONITORING AND REVIEW

11.1 Monthly Audit by Client

The Client and/or its Agent on its behalf will be conducting Periodic Audits at times agreed with the Principal Contractor Audit to comply with Construction Regulation 4(1)(d) to ensure that the principal Contractor has implemented, is adhering to and is maintaining the agreed and approved OH&S Plan.

11.2 Other audits and inspections

The Client and/or its Agent on its behalf reserves the right to conduct any other ad hoc audits and inspections as it and/or its Agent on its behalf deem necessary.

A representative of the Principal Contractor and the relevant Health and Safety Representative(s) (SHE-Reps) must accompany the Client and/or its Agent on its behalf on all Audits and Inspections and may conduct their own audit/inspection at the same time. Each party will, however, take responsibility for the results of his/her own audit/inspection results. The Client and/or its Agent on its behalf may require to be handed a copy of the minutes of the previous Health and Safety Committee meeting reflecting possible recommendations made by that committee to the Employer for reference purposes and any other health and safety related issues..

11.3 Reports

12.3.1 The Principal Contractor shall report all incidents where an employee is injured on duty to the extent that he/she dies, becomes unconscious, loses a limb or part of a limb, is injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he/she was usually employed, or where a major incident occurred, the health or safety of any person was endangered, where a dangerous substance was spilled, the uncontrolled release of any substance under pressure took place, machinery or any part of machinery fractured or failed resulting in flying, falling or uncontrolled moving objects, machinery ran out of control, to the Provincial Director of the Department of Labour within seven days and at the same time to the Client and/or its Agent on its behalf.

12.3.2 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with copies of all statutory reports required in terms of the Act and the Regulations.

12.3.3 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with a monthly "SHE Risk Management Report".

12.3.4 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with copies of all internal and external accident/incident investigation reports. As soon as the occurrence of any accident/incident of whatever nature comes to the notice of the Principal Contractor, it shall be reported immediately to any of the following:

11.4 Review

The Principal Contractor is to review the Hazard Identification, Risk Assessments and Standard Work Processes at each Production Planning and Progress Report meeting as the construction work develops and progresses and each time changes are made to the designs, plans and construction methods and processes. The Principal Contractor must provide the Client and/or its Agent on its behalf, and all other concerned parties with copies of any changes, alterations or amendments

11.5 Site Safety Rules

11.5.1 Site OH&S Rules

The Principal Contractor must develop a set of site-specific OH&S rules that will be applied to regulate the Health and Safety Plan and associated aspects of the construction. When required for a site by law, visitors and non-employees upon entering the site shall be issued with the proper Personal Protective Equipment (PPE) as and when necessary.

11.5.2 Security Arrangements

The Principal Contractor must establish site access rules and implement and maintain these throughout the construction period. Access control must include the rule that non-employees shall at all times be provided with fulltime supervision while on site. The Principal Contractor must develop a set of Security rules and procedures and maintain these throughout the construction period.

If not already tasked to the H&S Officer appointed in terms of Construction Regulation 6(6), the Principal Contractor must appoint a competent Emergency Controller who must develop contingency plans for any emergency that may arise on site as indicated by the risk assessments. These must include a monthly practice/testing program for the plans

11.6 Training

The Principal Contractor shall ensure that all employees under the his or her control are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment.

The Principal Contractor shall ensure that all labourers are informed regarding any hazard as stipulated in the risk assessment before any work commences, and thereafter at such times as may be determined in the risk assessment.

The Principal Contractor shall ensure that as far as is reasonably practicable, ergonomic related hazards are analysed, evaluated and addressed in the risk assessment.

No Principal Contractor shall allow or permit any employee to enter any site, unless such person has undergone health and safety induction training pertaining to the hazards prevalent on the site at the time of entry.

The Principal Contractor shall ensure that all visitors to a construction site undergoes health and safety instruction pertaining to the hazards prevalent on the site and shall be provided with the necessary personal protective equipment: Provided that where visits are made only to the site office which is not in direct contact with the construction work activities, those health and safety instructions and the provision of personal protective equipment may not apply.

The contents and syllabi of all training required by the Act and Regulations including any other related or relevant training as required must be included in the Principal Contractor's Health and Safety Plan and Health and Safety File.

11.6.1 General Induction Training

The Principal contractor must ensure that the employees on site are conversant with the general health and safety requirements on site. All employees of the Principal and other Contractors must be in possession of proof of General Induction training.

11.6.2 Site Specific Induction Training

All employees of the Principal and other Contractors must be in possession of Site Specific Occupational Health and Safety Induction or other qualifying training.

11.6.3 Other Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment must be in possession of valid proof of training. All employees in jobs requiring training in terms of the Act and Regulations must be in possession of valid proof of training as follows:

General Induction (Section 8 of the Act)

Site/Job Specific Induction (also visitors) (Sections 8 & 9 of the Act)

Site/Project Manager

Construction Supervisor

OH&S Representatives (Section 18 (3) of the Act)

Training of the Appointees indicated in 12.6.1 & 12.6.2 above

Operation of Cranes (Driven Machinery Regulations 18 (11)

Operators & Drivers of Construction Vehicles & Mobile Plant (Construction Regulation 21)

Basic Fire Prevention & Protection (Environmental Regulations 9 and Construction Regulation 27)

As a minimum basic First Aid to be upgraded when necessary (General Safety Regulations 3)

Storekeeping Methods & Safe Stacking (Construction Regulation 26)

Emergency, Security and Fire Coordinator

11.7 Accident and Incident Investigation

The Principal Contractor is responsible to oversee the investigation of all accidents/incidents where employees and non-employees were injured to the extent that he/she/they had to receive first aid or be referred for medical treatment by a doctor, hospital or clinic, (General Administrative Regulation 9). The Principal Contractor is responsible for the investigation of all non-injury incidents as described in Section 24 (1) (b) & (c) of the Act and keeping a record of the results of such investigations including the steps taken to prevent similar incidents in future.

The Principal Contractor is responsible for the investigation of all road traffic accidents relating to the construction site and keeping a record of the results of such investigations including the steps taken to prevent similar accidents in future. Notwithstanding the requirements of Section 24 of the Act, ALL incidents shall be investigated and reported on in writing, irrespective of whether such incident gave rise to injury or damage.

11.8 H&S Representatives and H&S Committees

11.8.1 Designation of H&S Representatives

Where the Principal Contractor employs more than 20 persons (including the employees of other Contractors (sub-contractors) he has to appoint one H&S Representatives for every 20 employees or part thereof. (Section 17 of the Act and General Administrative Regulation 6. & 7.) H&S Representatives have to be designated in writing and the designation shall be in accordance with the Collective Agreement as concluded between the parties as is required in terms of General Administration Regulation 6.

11.8.2 Duties and Functions of the H&S Representatives

The Principal Contractor must ensure that the designated H&S Representatives conduct at least a weekly inspection of their respective areas of responsibility using a checklist and report thereon to the Principal Contractor, after which these reports shall be consolidated for submission to the Health and Safety Committee. H&S Representatives must be included in and be part of accident/incident investigations. H&S Representatives shall be members of at least one H&S Committee and must attend all meetings of that H&S committee.

11.8.3 Establishment of H&S Committee(s)

The Principal Contractor must establish H&S Committees consisting of designated H&S Representatives together with a number of Employers Representatives appointed as per Section 19(3) that are not allowed to exceed the number of H&S Representatives on the committee. The persons nominated by the employer on an H&S Committee must be designated in writing for such period as may be determined by the project period. The H&S Committee shall co-opt advisory (temporary) members and determine the procedures of the meetings including the chairmanship.

12. HOUSE KEEPING

Good housekeeping will be maintained at all times as per Construction Regulation No. 25. Poor housekeeping contributes to three major problems, namely, costly or increased accidents, fire or fire hazards and reduction in production. Good housekeeping will enhance production time.

Particular emphasis is to be placed on the following crucial elements of a construction site:

- Phase priorities and production/plant layout
- Enclosures
- Pits, openings and shoring
- Storage facilities
- Effective, sufficient and maintained lighting or illumination
- Principal sources of injuries e.g. stairways, runways, ramps, loose building material
- Oil, grease, water, waste, rubble, glass, storm water
- Colour coding
- Demarcations
- Pollution
- Waste disposal
- Ablution and hygiene facilities
- First aid disposals
- Hazardous chemical substances

This list must not be taken to be exclusive or exhaustive.

In promotion of environmental control all waste, rubble, scrap etc, will be disposed of at a registered dumping site and records will be maintained. Where it is found to be impractical to use a registered dump site or it is not available, the Principal Contractor will ensure that the matter is brought to record with the client or his representative, after which suitable, acceptable alternatives will be sought and applied. Dross and refuse from metals, and waste matters or by-products whose nature is such that they are poisonous or capable of fermentation, putrefaction or constituting a nuisance shall be treated or disposed of by methods approved of by an inspector.

13. OPERATIONAL CONTROL

The Principal Contractor shall take reasonable steps to ensure that necessary control measures are taken to promote safe working environment during all operational works. Routine safety inspections shall be carried out to ensure plant; machinery and tools are safe enough for employees to work with. Operational control measures shall be taken for the following activities and plant or machinery where applicable:

- Fall protection;
- Excavation work;
- Scaffolding;
- Mobile plants;
- Electrical installation and machinery; and
- Other associated activities.

14. SUB CONTRACTORS

The Principal Contractor shall ensure that agreements are entered into by all sub-contractors on site, and ensure that all sub-contractors are in compliance with the health and safety standards on site. Particulars of sub-contractors involved in specialised work such as blasting, concrete works and electrical installations must be submitted to the designers for approval and their safety plans submitted to the Client for approval.

15. OFFENCES AND PENALTIES

Any contractor who does not comply with the requirements of the Act, will be penalised or punished as per Section 38 of the Act. The principal contractor must also note that the Client may stop the execution of construction work if it is not in accordance with the health and safety plan or if it poses a threat on the health and safety of employees and the public.

C3.4.3.2 ENVIRONMENTAL MANAGEMENT PLAN

CONTENTS

- C3.4.3.2.1 SCOPE
- C3.4.3.2.2 DEFINITIONS
- C3.4.3.2.3 IDENTIFICATION OF ENVIRONMENTAL ASPECTS AND IMPACTS
- C3.4.3.2.4 LEGAL REQUIREMENTS
- C3.4.3.2.5 ADMINISTRATION OF ENVIRONMENTAL OBLIGATIONS
- C3.4.3.2.6 TRAINING
- C3.4.3.2.7 ACTIVITIES/ASPECTS CAUSING IMPACTS
- C3.4.3.2.8 ENVIRONMENTAL MANAGEMENT OF CONSTRUCTION ACTIVITIES
- C3.4.3.2.9 RECORD KEEPING
- C3.4.3.2.10 COMPLIANCE AND PENALTIES
- C3.4.3.2.11 MEASUREMENT AND PAYMENT

C3.4.3.2.1. SCOPE

This environmental management programme (EMP) sets out the methods by which proper environmental controls are to be implemented by the contractor. The duration over which the contractor's controls shall be in place cover the construction period of the project as well as the limited time after contract completion defined by the General Conditions of Contract, and the project specifications, as the defects notification period (maintenance period).

The provisions of this EMP are binding on the contractor during the life of the contract. They are to be read in conjunction with all the documents that comprise the suite of documents for this contract. In the event that any conflict occurs between the terms of the EMP and the project specifications or Record of Decision, the terms herein shall be subordinate.

The EMP is a dynamic document subject to similar influences and changes as are brought by variations to the provisions of the project specification. Any substantial changes shall be submitted to the Client in writing for approval.

The EMP identifies the following:

Tender No: NKO23/2024

PROJECT NAME: CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

Construction activities that will impact on the environment.

Specifications with which the contractor shall comply in order to protect the environment from the identified impacts.

Actions that shall be taken in the event of non-compliance.

C3.4.3.2.2. DEFINITIONS

Alien Vegetation: alien vegetation is defined as undesirable plant growth which shall include, but not be limited to, all declared category 1 and 2 listed invader species as set out in the Conservation of Agricultural Resources Act (CARA) regulations. Other vegetation deemed to be alien shall be those plant species that show the potential to occupy in number, any area within the defined construction area and which are declared to be undesirable.

Construction Activity: a construction activity is any action taken by the contractor, his subcontractors, suppliers or personnel during the construction process as defined in the South African National Roads Agency Limited and National Roads Act, 1998 (Act No. 7, 1998)

Environment: environment means the surroundings within which humans exist and that could be made up of -

- the land, water and atmosphere of the earth;
- micro-organisms, plant and animal life;
- any part or combination of (i) and (ii) and the interrelationships among and between them; and
- the physical, chemical, aesthetic and cultural properties and conditions of the foregoing that influence human health and well-being.

Environmental Aspect: an environmental aspect is any component of a contractor's construction activity that is likely to interact with the environment.

Environmental Impact: an impact or environmental impact is the change to the environment, whether desirable or undesirable, that will result from the effect of a construction activity. An impact may be the direct or indirect consequence of a construction activity.

Record of Decision: a record of decision is a written statement from the Department of Economic Development, Environment and Tourism, that records its approval of a planned undertaking to improve, upgrade or rehabilitate a section of road and the mitigating measures required to prevent or reduce the effects of environmental impacts during the life of a contract.

Road Reserve: the road reserve is a corridor of land, defined by co-ordinates and proclamation, within which the road, including access intersections or interchanges, is situated. A road reserve may, or may not, be bounded by a fence.

Road Width: for the purposes of the EMP, the road width is defined as the area within the road reserve i.e. fence line to fence line, but also includes all areas beyond the road reserve that are affected by the continuous presence of the road, e.g. a reach of a water course.

C3.4.3.2.3. IDENTIFICATION OF ENVIRONMENTAL ASPECTS AND IMPACTS

The contractor shall identify likely aspects before commencing with any construction activity. Examples of environment aspects include:

- waste generation
- stormwater discharge
- emission of pollutants into the atmosphere

- chemical use operations
- energy use operations
- water use operations
- use of natural resources
- noise generation

Thereafter the contractor shall programme his work in such a way that each cause and effect of a construction activity is also identified and the activity planned so as to prevent any impact from happening. If prevention is not practicable, or in the event of mishap or misapplication, the contractor shall provide plans and measures for the engineer's approval, which will limit and contain the magnitude, duration and intensity of the impact. The contractor shall demonstrate that he/she is capable of carrying out any repair and reinstatement of the damaged environment. These requirements shall be concurrent with the time constraints to produce an approved construction programme according to sub-clause 8.3 as amended by Particular Condition of the general conditions of contract and clause B1204 of these project specifications.

Listed below are some environmental impacts that could adversely alter an aspect of the environment through usual construction activities:

Pollution of atmosphere, soil or water

Destruction or removal of fauna and flora and effect on biological diversity

Deformation of the landscape

Soil erosion

Destruction of historical/heritage sites

Effect on the built environment

Effect on agricultural land and wetlands

General good construction practice will play an important role in avoiding the occurrence of an Impact. The contractor's attention is drawn, in this regard, to C1008. Environmental Management of Construction Activities

C3.4.3.2.4. LEGAL REQUIREMENTS

a) General

Construction will be according to the best industry practices, as identified in the project documents. This EMP, which forms an integral part of the contract documents, informs the contractor as to his duties in the fulfilment of the project objectives, with particular reference to the prevention and mitigation of environmental impacts caused by construction activities associated with the project. The contractor should note that obligations imposed by the EMP are legally binding in terms of environmental statutory legislation and in terms of the additional conditions to the general conditions of contract that pertain to this project. In the event that any rights and obligations contained in this document contradict those specified in the standard or project specifications then the latter shall prevail.

b) Statutory and other applicable legislation

The contractor is deemed to have made himself conversant with all legislation pertaining to the environment, including provincial and local government ordinances, which may be applicable to the contract.

C3.4.3.2.5. ADMINISTRATION OF ENVIRONMENTAL OBLIGATIONS

a) Appointment of a Designated Environmental Officer (DEO)

For the purposes of implementing the conditions contained herein, the contractor shall submit to the engineer for approval the appointment of a nominated representative of the contractor as the DEO for the contract. The request shall be given, in writing, at least fourteen days before the start of any work clearly setting out reasons for the nomination, and with sufficient detail to enable the engineer to make a decision. The engineer will, within seven days of receiving the request, approve, reject or call for more information on the nomination. Once a nominated representative of the contractor has been approved he/she shall be the DEO and shall be the responsible person for ensuring that the provisions of the EMP are complied with during the life of the contract. The engineer will be responsible for issuing instructions to the contractor where environmental considerations call for action to be taken. The DEO shall submit regular written reports to the engineer, but not less frequently than once a month.

The engineer shall have the authority to instruct the contractor to replace the DEO if, in the engineer's opinion, the appointed officer is not fulfilling his/her duties in terms of the requirements of the EMP or this specification. Such instruction will be in writing and shall clearly set out the reasons why a replacement is required.

There shall be an approved DEO on the site at all times.

b) Administration

Before the contractor begins each construction activity the DEO shall give to the engineer a written statement setting out the following:

The type of construction activity.

Locality where the activity will take place.

Identification of the environmental aspects and impacts that might result from the activity.

Methodology for impact prevention for each activity or aspect.

Methodology for impact containment for each activity or aspect.

Emergency/disaster incident and reaction procedures.

Treatment and continued maintenance of impacted environment.

The contractor may provide such information in advance of any or all construction activities provided that new submissions shall be given to the engineer whenever there is a change or variation to the original.

The engineer may provide comment on the methodology and procedures proposed by the DEO, but he shall not be responsible for the contractor's chosen measures of impact mitigation and emergency/disaster management systems. However, the contractor shall demonstrate at inception and at least once during the contract that the approved measures and procedures function properly.

c) Good Housekeeping

The Contractor shall undertake “good housekeeping” practices during construction as stated in the General Conditions of Contract. This will help avoid disputes on responsibility and allow for the smooth running of the contract as a whole. Good housekeeping extends beyond the wise practice of construction methods that leaves production in a safe state from the ravages of weather to include the care for and preservation of the environment within which the site is situated.

C3.4.3.2.6. TRAINING

The designated environmental officer (DEO) must be conversant with all legislation pertaining to the environment applicable to this contract and must be appropriately trained in environmental management and must possess the skills necessary to impart environmental management skills to all personnel involved in the contract.

The contractor shall ensure that adequate environmental training takes place. All employees shall have been given an induction presentation on environmental awareness. Where possible, the presentation needs to be conducted in the language of the employees. The environmental training should, as a minimum, include the following:

- The importance of conformance with all environmental policies
- The environmental impacts, actual or potential, of their work activities;
- The environmental benefits of improved personal performance;
- Their roles and responsibilities in achieving conformance with the environmental policy and procedures and with the requirement of the Client's environmental management systems, including emergency preparedness and response requirements;
- The potential consequences of departure from specified operating procedures;
- The mitigation measures required to be implemented when carrying out their work activities.

In the case of permanent staff the contractor shall provide evidence that such induction courses have been presented. In the case of new staff (including contract labour) the contractor shall inform the engineer when and how he/she intends concluding his environmental training obligations.

C3.4.3.2.7. ACTIVITIES/ASPECTS CAUSING IMPACTS

A list of possible causes of environmental impacts that occur during construction activities is given in Table 7/1: Aspects or Activities that Cause Environmental Impacts during Construction Activities, which is to be found at the end of this part. This list is not exhaustive, and shall be used for guideline purposes only.

C3.4.3.3 PROVISION OF STRUCTURED TRAINING

CONTENTS

C3.4.3.3.1 SCOPE

C3.4.3.3.2 GENERIC TRAINING

C3.4.3.3.3 ENTREPRENEURIAL SKILLS TRAINING

C3.4.3.3.4 MEASUREMENT AND PAYMENT

C3.4.3.3.1 SCOPE

This specification covers the requirements for the provision of structured training to be arranged by the contractor over the period of this contract.

C3.4.3.3.2 GENERIC TRAINING

C3.4.3.3.2.1 The contractor shall, from the commencement of the contract, implement a structured progressive training programme.

C3.4.3.3.2.2 Training shall be at or by an approved accredited organisation and shall be delivered by suitably qualified and experienced trainers.

C3.4.3.3.2.3 The contractor shall be responsible for the provision of everything necessary for the delivery of the generic training programme, including the following:

- (a) A suitable venue with sufficient furniture, lighting and power.
- (b) All necessary stationery consumables and study material
- (c) Transport of the students (as necessary)

C3.4.3.3.2.4 Generic training courses shall commence within one month of possession of site and be completed before the end of the contract period. The Training Schedule should form part of the section 12 programme to be approved by the Engineer at the start of the project.

C3.4.3.3.2.5 The contractor's training programme shall be subject to the approval of Nkomazi Local Municipality and the contractor shall if so instructed by Nkomazi Local Municipality alter or amend the programme and course content if a need is identified once the contract commences.

C3.4.3.3.2.6 The contractor shall keep comprehensive records of the training given to each student and whenever required shall provide copies of such records to the engineer. At the successful completion of each course each student shall be issued with a certificate indicating the course contents as proof of attendance and completion.

In addition to the above, a monthly return shall be submitted by the contractor. An example of the form is illustrated in Part C5 of this document (form RDP 11 (E))

C3.4.3.3.3 ENTREPRENEURIAL SKILLS TRAINING

C3.4.3.3.3.1 Small contractors, subcontractors and the Project Steering Committee (PSC) will be entitled to receive a structured training programme, which will comprise both management skills as well as business development skills.

C3.4.3.3.3.2 The contractor shall closely monitor the performance of all small subcontractors in the execution of their contracts and shall identify all such subcontractors who, in his opinion, display the potential to benefit from structured training as may be provided for in the contract and where required by the engineer, shall make recommendations in this regard. The final list of candidates will be decided between the contractor and the engineer.

C3.4.3.3.3.3 The training will be delivered by trainers who are accredited by the Civil Engineering Training Scheme (CEITS) or other institutions recognised by the Department of Labour. Accredited training refers to both the trainers as well as to the training material.

C3.4.3.3.3.4 The contractor shall facilitate in the delivery thereof, by instructing and motivating the subcontractor regarding attendance and participation therein.

C3.4.3.3.3.5 The contractor shall further make all reasonable efforts to co-ordinate the programming of the subcontractor's work with that of the delivery of the structured training.

C3.4.3.3.3.7 The contractor shall be responsible for the provision of everything necessary for the delivery of the entrepreneurial training programme, including the following:

- (a) A suitably furnished venue (if required) with lighting and power.
- (b) All necessary consumables, stationery and study material
- (c) Transport of the subcontractors (as necessary)

C3.4.3.3.3.7 All entrepreneurial training shall take place within normal working hours.

C3.4.3.3.3.8 The contractor's training programme shall be subject to the approval of Client and the contractor shall if so instructed by Nkomazi Local Municipality alter or amend the programme and course content if a need is identified once the contract commences.

C3.4.3.3.3.10 The contractor shall keep comprehensive records of the training given to each subcontractor and whenever required shall provide copies of such records to the engineer. At the successful completion of each course each subcontractor shall be issued with a certificate indicating the course contents as proof of attendance and completion.

In addition to the above, a monthly return shall be submitted by the contractor. An example of the form to be used is illustrated in Part C5 of this document, (form RDP 12 (E)).

C3.4.3.3.4 MEASUREMENT AND PAYMENT

8.5 b	Basic Skills and Construction Training:	
PSA 8.5(c)1	Provision for basic skills and construction site safety training.	Prov. Sum
PSA 8.5(c)2	PSC Training	Prov. Sum
PSA 8.5(c)3	Overheads, charges and profit on item	%
PSA 8.5(c)4	Training venue (Only if required)	Prov. Sum

The prime cost sums are provided to cover the actual costs (including wages and the daily PSC reimbursement) for attendance of accredited training courses as agreed with the engineer and shall be expended in accordance with the provisions of sub-clause 6.6.1 of the general conditions of contract. The tendered percentage in sub-item PSA 8.5(c)3 is a percentage of the amount actually spent under sub-items PSA 8.5(c)1 and PSA 8.5(c)2 which shall include full compensation for the contractor's handling cost, profit, mentoring, record keeping, reporting and all other costs in connection therewith.

The lump sum tendered for PSA 8.5(c)4 shall include full compensation for the provision of the training venue, for all necessary lighting, power, furniture, stationery, consumables and study material and for transportation of the students to and from the training venue.

Payment of the lump sum will be made after the provision of all the accredited training, issuing of all certificates and submission of all records as specified in the document.

C3.4.3.4 PROVISION OF THE TEMPORARY WORKFORCE

CONTENTS

C3.4.3.4.1 SCOPE

C3.4.3.4.2 INTERPRETATIONS

C3.4.3.4.3 PERMITTED SOURCES OF TEMPORARY WORKERS

C3.4.3.4.4 EMPLOYMENT RECORDS TO BE PROVIDED

C3.4.3.4.5 VARIATIONS IN WORKER PRODUCTION RATES

C3.4.3.4.6 TRAINING OF THE TEMPORARY WORKFORCE

C3.4.3.4.7 RECRUITMENT AND SELECTION PROCEDURES

C3.4.3.4.8 TERMS AND CONDITIONS PERTAINING TO THE EMPLOYMENT OF THE TEMPORARY WORKFORCE

C3.4.3.4.9 LABOUR RELATIONS AND WORKER GRIEVANCE PROCEDURES

C3.4.3.4.10 THE SUBCONTRACTORS' WORKFORCES

C3.4.3.4.11 MEASUREMENT AND PAYMENT

C3.4.3.4.1 SCOPE

This Specification covers the provisions and requirements relating to the provision of the temporary workforce. Reference is also made to the Basic Conditions of Employment Act (Act 75 of 1997) with specific reference to the Sectorial Determination 2: Civil Engineering Sector

C3.4.3.4.2 INTERPRETATIONS

C3.4.3.4.2.1 Supporting documents

The Tender Rules, Conditions of Contract, Standard and Project Specifications, Drawings and statutory minimum requirements relating to the employment and remuneration of labour shall *inter alia* be read in conjunction with this Specification.

C3.4.3.4.2.1.2 Definitions and abbreviations

For the purposes of this specification, the definitions given in the Conditions of Contract, the Standard Specifications and the Project Specifications, together with the following additional definitions shall, unless the context dictates otherwise, apply:

- (a) "Key Personnel" means all contracts managers, site agents, materials and survey technicians, trainers, supervisors, foremen, skilled plant operators, artisans and the like, and all other personnel in the permanent employ of the Contractor or Subcontractor who possess special skills and/or who play key roles in the Contractor's or Subcontractor's operation
- (b) "Project Committee" means a committee consisting of the Employer, the Engineer, the Contractor, (or their nominated representatives) as well as representatives of the temporary workforce, which is convened from time to time at the discretion of the Engineer, for the purposes of acting as an avenue for effective communication and liaison between all the parties referred to, in all matters pertaining to the Contract

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- (c) "Subcontractor" means any person or group of persons in association, or firm, or body corporate (whether formally constituted or otherwise) not being the Contractor, to whom specific portions or aspects of the Works are sublet or subcontracted by the Contractor in accordance with the provisions of the Contract
 - (d) "Worker" for the purposes of this Specification means any person, not being one of the Contractor's key personnel, nor any key personnel of any Subcontractor, who is engaged by the Contractor, a Subcontractor or the Employer to participate in the execution of any part of the Contract Works and shall include unskilled labour, semi-skilled and skilled labour, clerical workers and the like
 - (e) "Workforce" means the aggregate body comprising all workers and shall, unless the context dictates otherwise, include the workforces of the Contractor and all Subcontractors
 - (f) "Project Steering Committee (PSC)" means a committee comprising mainly of representatives (to a maximum of 10) of the affected communities with the Contractor, Consultants and the Nkomazi LOCAL MUNICIPALITY. The PSC convenes at least once a month as well as when the need so dictates, for the purpose of recruiting labour for the project, to address community issues and for acting as an avenue for effective communication and liaison between all the parties.
 - (g) "Liaison Officer" means a local representative of the temporary workforce, duly appointed through the PSC processes, to act on behalf of the workers and through whom all matters pertaining to the temporary workforce can be channelled.

C3.4.3.4.2.1.3 Status

Where any provisions or requirements of this Specification are in conflict with anything elsewhere set out in the Contract, the provisions and requirements of this Specification shall take precedence and prevail.

C3.4.3.4.3 PERMITTED SOURCES OF TEMPORARY WORKERS

The Contractor shall as far as possible make optimum use of the human resources outside his own workforce and the workforces of all subcontractors. The temporary workforce that is to be used in the execution of the Works in terms of Part C3 may consist of the workers of local communities, and shall not be bound to one particular community.

C3.4.3.4.4 EMPLOYMENT RECORDS TO BE PROVIDED

- (a) The Contractor shall maintain accurate and comprehensive records of all workers engaged on the Contract and shall provide the Engineer at monthly intervals from the commencement of the Contract, with interim records substantiating the actual numbers of employment opportunities that shall have been generated to date and the amounts actually paid in respect thereof. Such interim records shall be in a Nkomazi Local Municipality approved format. An example of the forms to be used is illustrated in Part C5 of this document, (forms RDP 9 and 10 (E)).
- (b) The Contractor shall, on completion of the Contract, and as a pre-requisite event to the release of any retention money in terms of the Conditions of Contract, provide the Engineer with copies of the Terms of Employment as well as independently audited documentary evidence of the total number of temporary and permanent employment opportunities actually generated during the Contract.

C3.4.3.4.5 VARIATIONS IN WORKER PRODUCTION RATES

Notwithstanding anything to the contrary as may be stated in or inferred from any other provision of this Contract, the Contractor shall not be entitled to any additional payment or compensation whatever, in respect of any differences as may result between the production rates actually achieved by workers in the course of the execution of the Contract Works and those production rates on which he has based his tender.

C3.4.3.4.6 TRAINING OF THE TEMPORARY WORKFORCE

- (a) Selected members of the workforce are to be provided with structured training in accordance with the provisions of Part C3.4.3.3.
- (b) The Contractor shall make all necessary allowances in his programme of work to accommodate and facilitate the delivery of such structured training and shall comply fully with the requirements of Part C3.4.3.3.
- (c) The provision of structured training as described in Part C3.4.3.3. shall not relieve the Contractor of any of his obligations in terms of the Conditions of Contract and the Contractor shall remain fully liable for the provision, at his own cost, of all training of the workforce, additional to that as provided for in Part C3.4.3.3, as may be necessary to achieve the execution and completion of the works strictly in accordance with the provisions of the Contract.

C3.4.3.4.7 RECRUITMENT AND SELECTION PROCEDURES

- C3.4.3.4.7.1 The Project Steering Committee, though the assistance of the Social Facilitator and the Contractor, shall be responsible for the recruitment and selection of the Community Liaison Officer and the workers to constitute the temporary workforce.
- C3.4.3.4.7.2 The Contractor shall advise the Engineer in writing of the numbers of each category of temporary worker which he requires, together with the personal attributes which he considers desirable that each category of worker shall possess (taking due cognisance of the provisions of the Contract relating to training).

- C3.4.3.4.7.3 The Social Facilitator shall take the necessary actions to advertise within the affected local communities comprising the personnel resources, the fact that temporary employment opportunities exist and the time and place where recruiting will occur
- C3.4.3.4.7.4 The Social Facilitator shall record in writing, the details of all persons applying for employment, including *inter alia*:
- (a) Name, Identity Number, Date of Birth, age and sex
 - (b) Marital status and number of dependants
 - (c) Qualifications and previous work experience (whether substantiated or not)
 - (d) On the job training programmes attended
 - (e) Period since last economically active
 - (f) Preference for type of work or task.
- C3.4.3.4.7.5 The selection of workers from amongst the applicants should take into cognizance the Contractor's requirements for the workforce and the provisions of the contract in regard to the provision of training to the workforce and in accordance with the following principle:
- (a) No potential temporary worker shall be precluded from being employed by the Contractor on the execution of the Works, by virtue of his lack of skill in any suitable operation forming part of the Works, unless -
 - (i) all available vacancies have been or can be filled by temporary workers who already possess suitable skills, or
 - (ii) the Time for Completion allowed in the Contract, or the remaining portion of the Contract Period (as the case may be) is insufficient to facilitate the creation of the necessary skills.
 - (b) Preference shall be given to the unemployed and single heads of households.
 - (c) The Contractor shall, in so far as is reasonably practicable, give priority to accommodating the applicants' expressed preferences regarding the types of work for which they are selected.
 - (d) The selection process shall not be prejudicial to youth (over the age of fifteen years) and women. The Contractor should strive to achieve the participation target for employment set for this project which is 60% female and 20% youth.
- C3.4.3.4.7.6 After making the selection, the Social Facilitator shall forward the list in writing and without undue delay, to the Engineer for record keeping.
- C3.4.3.4.7.7 The provisions of this clause shall apply *mutatis mutandis* in respect of the selection of additional or replacement members of the workforce as may be necessary from time to time during the Contract.
- C3.4.3.4.7.8 The Contractor shall, after appointing his temporary workforce, arrange at his own cost for the appointment of the Liaison Officer as representative of the workforce to act on their behalf with regards to all matters pertaining to the workforce.

C3.4.3.4.8 TERMS AND CONDITIONS PERTAINING TO THE EMPLOYMENT OF THE
TEMPORARY WORKFORCE

C3.4.3.4.8.1 All temporary workers engaged in accordance with the provisions of Part A of the Project Specifications, shall be employed on the terms and conditions of employment as are consistent with those as set out in this Contract. The Contractor shall implement and adhere strictly to such terms and conditions relating to the employment of the temporary workforce, and subject only to the provisions of this Contract, shall not employ any temporary worker on terms and conditions which are less favourable to the worker or inconsistent with the standards and norms generally applicable to temporary workers in the Civil Engineering Industry and applicable to the particular area. Refer to the Contract of Employment drafted/published by Department of Labour.

C3.4.3.4.8.2 RATE OF REMUNERATION. The Contractor shall pay to all workers engaged in terms of the contract, not less than the applicable gazetted minimum rate of remuneration in terms of the Sectorial Determination 2: Civil Engineering Sector.

The remuneration of the CLO shall be paid monthly at the rate equivalent to Task Grade 3 in accordance with the provisions of the Basic Conditions of Employment Act, No. 75 of 1997, Amendment to Sectoral Determination 2: Civil Engineering Sector, South Africa

Compensation for transport for the members of the Project Steering Committee shall be made at a rate of R75 / month. This will cover for transport cost to and from the PSC meeting, site meeting and any other meeting deemed necessary to fulfil their obligations.

C3.4.3.4.8.3 NON-PAYMENT OF LABOURERS. Under this contract it is expected of the Main Contractor to ensure that all labourers are paid in time on a monthly basis, whether they are employed by him/her directly or by any of his/her subcontractors. In the event of non-compliance, the employer reserves the right to use any remedies available at its disposal.

C3.4.3.4.9 LABOUR RELATIONS AND WORKER GRIEVANCE PROCEDURES

C3.4.3.4.9.1 The Contractor, as the Employer of the workforce, shall be fully responsible for the establishment and maintenance at his own cost, of satisfactory labour relations on site and the resolution of all grievances of temporary workers as may occur. Refer to Disciplinary Procedures for Small Business drafted/published by Department of Labour.

C3.4.3.4.9.2 The Contractor shall at all times adhere to the accepted norms and standards of labour relations prevailing generally in the Civil Engineering Construction Industry and shall conduct himself in a fair and reasonable manner, within the constraints as may be imposed upon him by the terms of the Contract.

C3.4.3.4.9.3 In the event of any temporary worker engaged by the Contractor in terms of the Contract, being aggrieved with regard to his Terms of Employment, working conditions and training, he shall have the right, at his discretion, to be supported in any inquiry or disciplinary hearing or investigation instituted by the Contractor in terms of Sub-clause C3.4.3.4.9.2 above, by one member of the temporary workforce and one member of the Project Committee, which persons shall be nominated by the worker.

C3.4.3.4.9.4 In the event of any grievance not being satisfactorily resolved through the application of normal dispute resolution procedures in accordance with Sub clauses C3.4.3.4.9.2 and C3.4.3.4.9.3, then either the Contractor or the worker concerned may

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require that the matter be referred to the Project Committee for further consideration, with a view to facilitate the resolution thereof.

C3.4.3.4.10 THE SUBCONTRACTORS' WORKFORCES

C3.4.3.4.10.1 The provisions of this Part C shall apply *mutatis mutandis* to the workforces employed by all subcontractors engaged by the Contractor and the Contractor shall be fully responsible for ensuring, at his own cost, that the terms of every subcontract agreement entered into are such as to facilitate the application of these provisions in respect of the workforces of all subcontractors.

C3.4.3.4.10.2 The Contractor shall at his own cost and to the extent necessary, assist and monitor all subcontractors in the application of the provisions of this Specification, and shall, in terms of the Conditions of Contract, remain fully liable in respect of the acts, omissions and neglects of all subcontractors, in respect of the application of the provisions of this Specification.

C3.4.3.4.11 MEASUREMENT AND PAYMENT

The Contractor will not be separately reimbursed or compensated in respect of the provision of the workforce and creation of temporary employment opportunities and all the Contractor's costs associated with compliance with the provisions of this part of the Project Specifications shall, except to the extent provided for in Part C3.4.3.3. as relevant, be deemed to be included in the rates tendered for the various items of work listed in the Schedule of Quantities.

PART C4

SITE INFORMATION

C4.1	SITE DESCRIPTION.....	251
C4.2	LOCALITY PLAN.....	251

C4.1 Site Description

4.1.1 General

This section describes the site at the time of the tender in order to enable the tenderer to price his tender accordingly and to decide upon his method of working, programming and risks.

The tenderer shall inform him / herself on the nature of the site and inspect the site.

The Employer will consider a tender only if the site inspection and/or tenderer's meeting arranged by the Engineer has been attended by a representative who must:

- Be suitably qualified to comprehend the implications of the work involved, and
- Be the tenderer him/herself or a person in the direct employ of the tenderer

4.1.2 Access to site and restrictions

The Contractor must note that no additional payment will be made for the construction of temporary access roads to the construction site, borrow-areas or to the spoil sites, except for payment made under payment item A.8.3.2.2 of SABS 1200 A.

If the Contractor does not make use of existing streets for the hauling of materials to or from the site, he shall be held responsible to clear any spillage caused by his activities on or near the roads by whatever means necessary, within two (2) days after such spillage has occurred. No additional payment will be made for the clearance of spillage and all relevant costs will be deemed to be covered under the relevant items.

4.1.3 Existing services, servitudes and way leaves

All the known existing services are indicated on the drawings.

4.1.4 Security

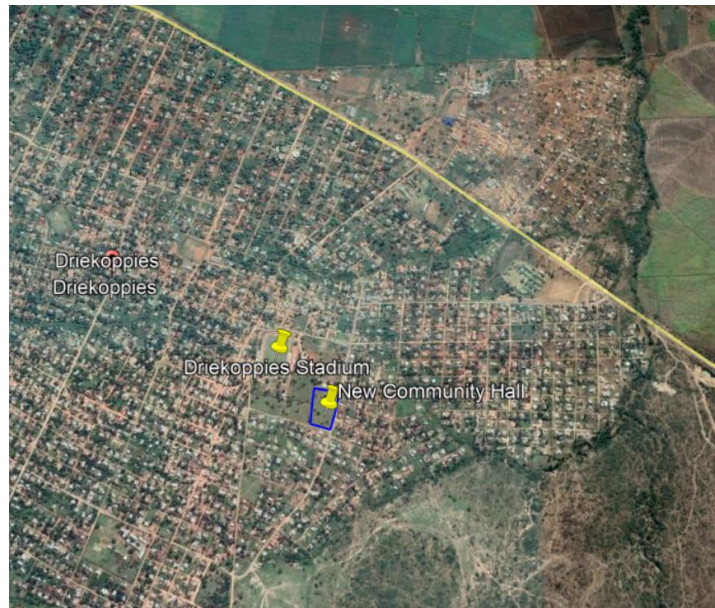
The security of the Contractor's plant, employers, materials and site camp will be the Contractor's responsibility.

C.4.2 Locality Plan

The project is located in the Mpumalanga Province, in the jurisdiction of the Nkomazi Local Municipality

Co-ordinates for the proposed project/s are as follows:

25°42'22.74"S, 31°34'17.74"E, Driekoppies



Locality Plan of Proposed Site

PART C5

Annexures

- C5.1 PRO FORMA DOCUMENTS
- C5.2 CONTRACT DRAWINGS

C5.1 PROFOMA DOCUMENTS

PROFORMA DOCUMENTS

The following is a list of proforma documents and examples that are required to be completed by the successful tenderer.

C5.1.1 RETENTION MONEY GUARANTEE PROFORMA

C5.1.2 EXAMPLE OF ABE DECLARATION AFFIDAVIT

C5.1.1 RETENTION MONEY GUARANTEE PROFORMA

EXAMPLE

NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

FOR INFORMATION ONLY:

This Guarantee is not to be completed and signed by the Guarantor.

A separate form will be issued to the successful Tenderer

Notes to Tenderer

1. This pro forma is for information only. The successful tenderer's guarantor will need to reproduce it without amendment, omission or addition for completion and lodgement with the Employer.
2. The tenderer's guarantee will have to be on letterheads indicating the contact details of the guarantor, shareholders/board of directors, guarantee number and the company registration number.

CONTRACT NO: NKO23/2024

The project will also look at the suitable remedial measures and the option of providing a concrete bridge or a concrete culvert structure or refurbishment. The project will also look at the possibility of providing the two-vehicle-width-structure instead of the existing one-vehicle-width-structure.

The guarantee is issued on behalf of

Registration No

(hereinafter referred to as "the Contractor") in connection with the above-mentioned contract (hereinafter referred to as "the Contract").

Whereas you have agreed that the Contractor may provide a guarantee in lieu of the retention monies provided for under the Contract.

Now therefore we, the undersigned, being duly authorised to represent the

.....
(full name of guarantor) registration number

undertake to pay you such amounts as you may from time to time demand from us, immediately upon receipt of a written demand from you.

1. Each demand shall be in writing and delivered to us at or such other address as we shall in writing notify to you.
2. Our liability to make the payments herein referred to shall be unconditional and not be affected or diminished by any disputes, claims or counterclaims between you and the Contractor.
3. Our aggregate liability under this guarantee is limited to
(R.....) and is restricted to payment of monies only.

4. This guarantee shall expire on the date on which the last of the retention monies, which but for this guarantee would have been retained by you, becomes payable to the Contractor.
5. This guarantee is neither negotiable nor transferable and must be returned to us against final payment of our aggregate liability or on the date of the expiry of the guarantee in terms of Clause 4 (above), whichever is the earlier.

Signed atfor and on behalf of
on this the day of in the year

GUARANTOR:

AS WITNESS:

1. 2.

NAME(Print): NAME(Print):

ADDRESS ADDRESS

.....

.....

C5.1.2 EXAMPLE OF ABE DECLARATION AFFIDAVIT

(facsimiles will be provided by the Employer to be completed by ABEs)

1. Name of firm :
- Postal address :
- Telephone no. :Fax no
- Contact person :
- VAT registration no. :
2. Type of firm (tick as appropriate)
 - Partnership.....
 - One person business/sole trader.....
 - Close corporation: registration no.....
 - Date of registration.....
 - Company: registration no.....
 - Pty Ltd: registration no.....
3. Principal Business Activities :.....
4. Service/work to be performed on this contract:
5. Participation in this contract
 - as a Sub-contractor Yes/No
 - in a Joint Venture Yes/No
 - with main contractor Yes/No
 - with a sub-contractor Yes/No
6. List all partners, proprietors and shareholders:

Name	ID. No.	Citizen of RSA Yes/No	PDI status Yes/No	%owned

1. List the last four contracts/assignments completed by your firm. If required, a separate sheet may be used and attached to this page. Reference may be called from the Employers of the projects listed.

PROJECT AND WORK PERFORMED	EMPLOYER (NAME, ADDRESS, TEL, FAX)	VALUE OF RANDS

Notes to tenderer:

Under column 1 state the assignment or contract (eg. Contract XYZ0123): Construction of rural roads) and follow this with the work carried out (eg. construction of pipe culverts).

Under column 2, if it was a sub-contract give the required details of the employer for the main contract and also of the Contractor who employed you.

Under column 3 give the value of the main contract (if any and if known) and also the value of the work carried out by you.

8. Declaration

I,, being duly authorised to sign on behalf of the firm, affirm that the PDI equity in this business is as stated above and that the information furnished is true and correct.

Signature

Name (print)

Date

Signed on behalf of (print name)

Address

.....

Telephone no.

Commissioner of Oath

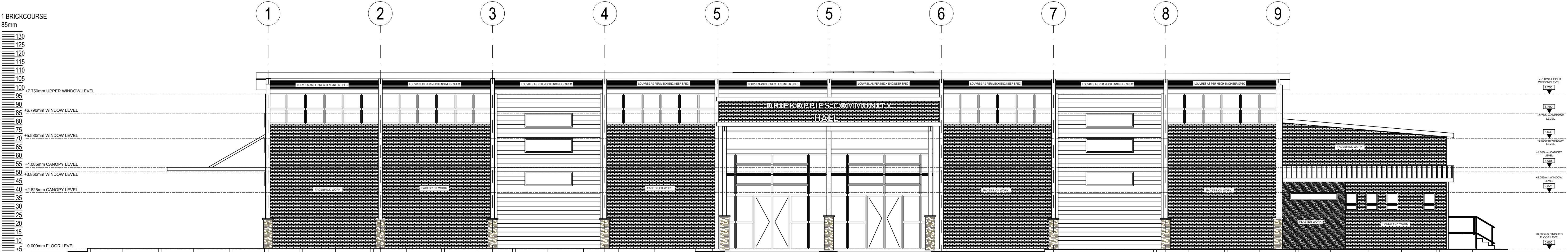
Date

Note: In the case of a Company a certificate of authority for signatory must be provided.

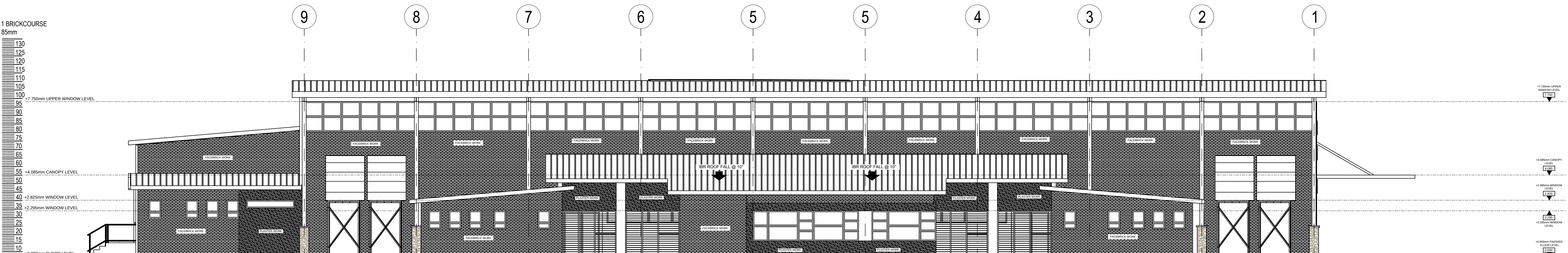
C5.2 CONTRACT DRAWINGS

The following is a list of contract drawings included in a separate volume entitled “Part C5.2: Contract Drawings.”

A separate A3 bound drawing is attached to this Tender document



FRONT ELEVATION
SCALE 1:100



BACK ELEVATION
SCALE 1:100

REVISIONS				CLIENT:	PROJECT:	LPS CONSULTING Unit No.45.0.2 Central Park 12 Suikerriet Street Nelspruit 1201 TEL: 013 744 6070 Email: info@lpsconsult.co.za		SCALE		DRAWING NUMBER 032_DRIE_W003	SHEET 00		
REV	BY	DATE	DESCRIPTION					AS SHOWN	NOVEMBER 2019				
								DESIGNED:	T.M				
								DRAWN:	T.M				
								CHECKED:	L.S.M & T.N				
								SIGN:	DATE:				
								PROJECT NUMBER 032_DRIE					

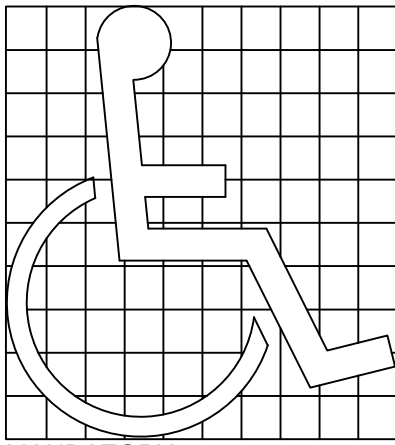
SIDE ELEVATION

SCALE 1:100

SIDE ELEVATION

SCALE 1:100

- H.1. Windows:**
All standard side hung or cottage pane steel frame windows as per 'Wispeco' catalogue or similar with brass handles, peg stays and sliding stays.
Frame finish 1 coat zinc chromium primer and 2 coats Plascon gloss enamel or SANS approved as per paint specifications.
Standard steel / aluminium clips on window fly screen with aluminium mosquito gauze to all openable sections.
All windows must be provided with burglar bars.
- H.2. Glazing:**
All as per SABS specifications and new safety requirements. Glass thickness, safety glazing and markings to SABS 0400 part N and SABS 0137.
General 3mm clear float glazing to steel frame with putty.
Specific 3mm obscure glazing in bathroom and w.c.
Safety glazing with a nominal thickness of 6mm should be installed to openings with a surface area greater than 0,8 square meter.
- H.3. Door Frames:**
Standard 1,2mm pressed steel door frames. Double rebated frame with 100mm hinges. Frame painted with 1 coat zinc chromium primer, 2 layers under coat and 2 coat enamel paint as per specifications.
- H.4. Doors:**
External:
Framed, ledged, braced and battened meranti doors - 813 x 2032 x 44mm thick.
External façade - 75 x 22mm v-jointed tongued and grooved battens.
Finish - 2 coats polyurethane varnish and sanded down between coats.
Ironmongery - 'Union' Springbok 390/311 2-lever or similar approved.
- H.5. Fly screen Doors:**
813 x 2032 x 44mm thick meranti fly screen door.
Finish - polyurethane matt finish - 3 coats sanded down between coats.
Ironmongery - Black Japan pull handles (no. 2). Brass bark bolts inside (Solid art 203) and 100mm brass butt hinges.
Overhead closer - Dorma NHN81 series.
- J. Miscellaneous Items:**
J.1. Ceilings:
All gypsum ceilings with H-strips.
J.2. Airbricks:
Approved airbricks above windows and doors to laundries and bathrooms.
J.3. Doorstops:
Red rubber 38mm or other specific.



ACCESSIBLE ROUTES AND ACCESSIBLE MEANS OF EGRESS
ACCESSIBLE ROUTE - WALKING SURFACE:
An accessible route shall consist of one or more of the following: walking surface with a slope not steeper than 1:20, no stepped changes in level greater than 15mm, which runs contiguously through doorway, up ramps, elevation, platform (wheelchair) lift, from the point arrival to the component of the building or to be accessed

At least one accessible route shall be provided with the boundary of the site from public transportation stops, accessible parking spaces, passengers loading zones, and public street or pavements, to the accessible building entrance they serve

at least one accessible route shall connect accessible building, facilities, elements and spaces that are on the same site

at least one accessible route shall connect each level in multi-storey building and facilities including mezzanines

where direct access to a building is provided for pedestrians from an enclosed parking garage, at least one direct entrance.

at least one accessible entrance to a building or tenancy in a facility that entrance shall be accessible

accessible entrance shall be identified by the international symbol of accessibility, and directional sign indicating the location of the nearest accessible entrance shall be provided at inaccessible entrance

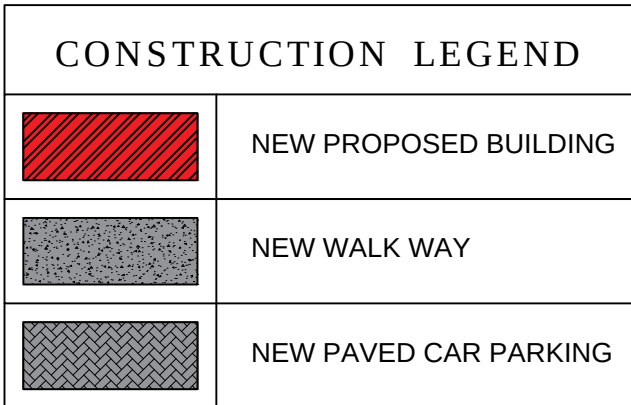
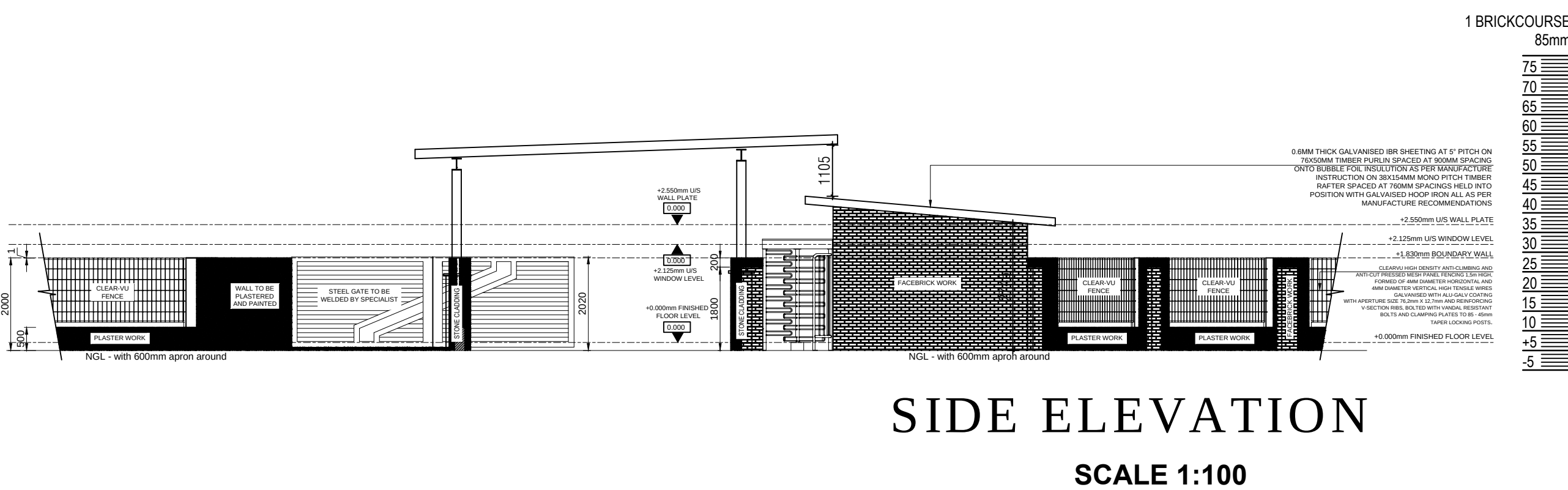
Floor or ground surface shall be comply with Item 1.1, changes in level shall comply with Item 1.2, the running slope of walking surface shall not be steeper than 1:20, and the cross-slope not steeper than 1:40.

the clear width of walking surface shall be a minimum of 900mm, if the clear width is less than 1500mm, an accessible route shall be provided with passing spaces at interval of 50 metres (maximum) and of plan size 1500mm long by 1200mm (minimum), or an intersection of two walking surface which provide a T-shape as described in Item 1.3

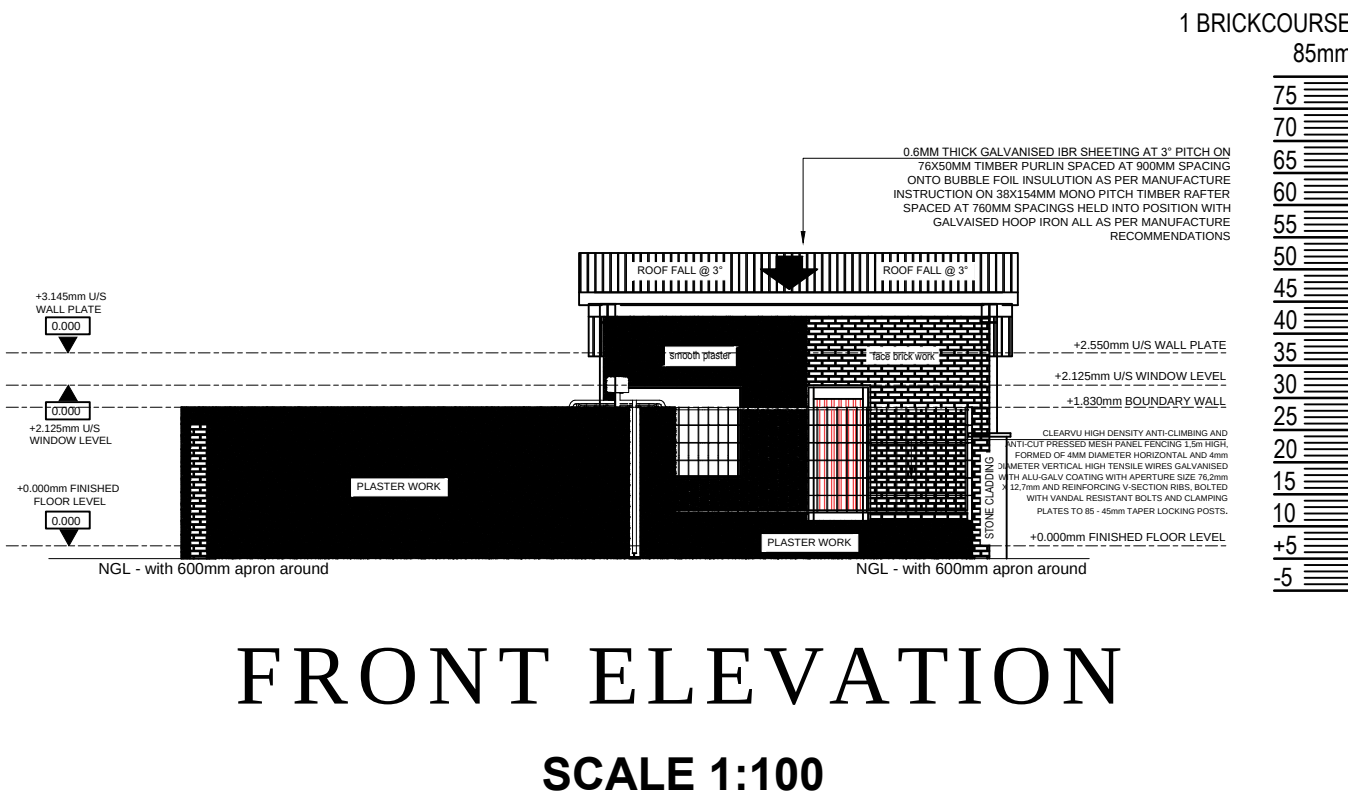
- GENERAL DESCRIPTIONS**
A.1. TRADE NAMES
All products specified by trade name is subject to the additions of "... or similar approved product" with approval by architect. Colour of finishes to architects.
- A.2. INSECTICIDE**
Treat soil under foundations and surfaces beds with 'Chlordane' (SABS 1165) soil insecticide according to SABS 0124. Contractor to furnish guarantee.
- A.3. FILLING**
Filling under surface beds to be approved insert material compacted in layers of maximum 150 mm to a minimum of 93 % MOD AASHTO
- A.4. DAMP PROOF COURSE**
Damp Proof Course - 0,375 mm Polyolefin dpc (SABS 952 type B) in un-jointed lengths where possible over full width of wall as shown on detail sections.
- A.5. EXPANSION JOINTS**
Provide expansion joints as indicated per floor plans and to receive 'Spanseal' 50 and 'Polyspan' expansion joint covers with Code: EJC 65.
- B. CONCRETE, FORMWORK AND REINFORCEMENT:**
B.1. Foundations:
15 MPa / 19mm stone - 600 x 230mm deep concrete strip foundations, minimum 500mm below natural ground level. Foundations as per engineer's specifications where required as per general specifications.
Foundations 230 mm thick 15 Mpa (1:3:6 mix) concrete strip foundations, in widths shown on foundation plan. Depth to suit soil conditions and to the approval of architect and local authority.
B.2. Surface Bed:
Cement to be SABS ENV 197-1, minimum grade 42,2. 100mm thick unreinforced surface bed on GUNDEL gunplas usb d.p.m. (0,25 micron) on well compacted hardcore treated with Coopex T.C. or SANS approved soil poisoning (5 year guarantee)
- B.2. Lintels:**
Precast concrete lintels above openings, where door frames and window frames are specified. Precast lintels to be built in 225mm past openings into brickwork. Lintels to comply with SABS 1504 - 1990.
- C. BRICKWORK:**
C.1. Common Bricks:
Ideal - 150mm wide cement building blocks with cavity, 7,5 MPa Clay bricks - according to SABS - bricks to be of uniform size and shape, 230 x 115 x 75mm, class NFP, not less than 7,5 MPa strength. All brickwork in stretcher bond course with 10mm mortar joint, weather recessed to a depth of 6mm 'brick force' reinforce. OR
Cement bricks - 230 x 115 x 75mm solid cement bricks. Bricks to comply with SABS 1215-1984. Blocks to have minimum tolerance of 2mm out-of-squareness in all directions, minimum strength of 7,5 MPa and a maximum drying shrinkage of 0,06%.
- Note - certification of compliance from the supplier to these requirements to be furnished on request. Cement bricks - 7,5 MPa as per SANS codes or 150mm blocks
- C.2. Foundation Walls**
Common bricks as specified above. Mortar between brickwork to be 1:4 cement, sand mixture. The height of any foundation wall not acting as a retaining wall shall not exceed 1,5m. Minimum thickness of foundation walls to comply with Table 4 - part KK, NBR. Ideal - 150mm wide cement building blocks with cavity
- C.3. Mortar:**
Refer to SABS ENV 197-1, common cements, and cement to be MCII. SABS 1090-1976. Sand for plaster and mortar. Class 1 for work below ground - 10Mpa - 1:4 mixture (one cement to three volumes building sand). Class 2 for work above ground - 15Mpa - 1:6 mixture.
- D. PLASTERING:**
D.1. Internal and External Walls:
Minimum 12 - 15mm thick, 1 cement: 5 sand mixture.
- A. WATERPROOFING:**
A.1. Damp-Proof Courses:
Under floor membrane to be 'GUNDLE' gunplas usb d.p.m. - turned up around perimeter of and at least for the full thickness of the slab. Any joint in such membrane shall overlap by not less than 150mm and shall be effectively sealed with sealing strips. (as 375 micron d.p.m. (brick grip) underneath all walls and underneath all window cills, all to SABS 952, type C.
Any wall of a building shall be provided with a damp-proof course in such position and to an extent that will protect the wall against rising damp and the interior of the building against ingress of moisture from abutting ground. No horizontal damp-proof
- B. ROOF CONSTRUCTION:**
B.1. Roof Anchorage:
Typical construction application a galvanized steel strap or wires shall be embedded in the wall at positions suitable for anchoring any timber roof truss, rafter or beam to such wall. Such strap or wire shall extend into the wall to a depth of at least 4 brick courses.
Any roof truss, rafter or beam shall be fixed to any wall by using one of the following types of anchors:
Type A: two strands of 4mm galvanized steel wire;
Type B: 30mm x 1,2mm galvanized steel strap.
Refer to part KK13 NBR (SABS 0400-1987) for further details.
- F.2. Corrugated Steel Roof Sheetting:**
Chromadek "Sand Stone Beige" 0,6mm roof sheeting on approved salsation as specified on 75 x 50mm S.A. pine battens / purlins at maximum 1200mm centers on prefabricated 115 x 38mm S.A. pine timber trusses at 900mm centers. Fibre - cement barge boards and fascias - standard specification.
- G. Floor Finish:**
G.1. 25mm tinted granolithic screed.

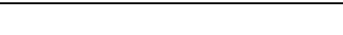
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REV	BY	DATE	DESCRIPTION					DATE	NOVEMBER 2019		
								DESIGNED:	T.M		
								DRAWN:	T.M	PROJECT NUMBER 032_DRIE	
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								SIGN:	DATE:		
					TITLE:	ELEVATIONS-2					

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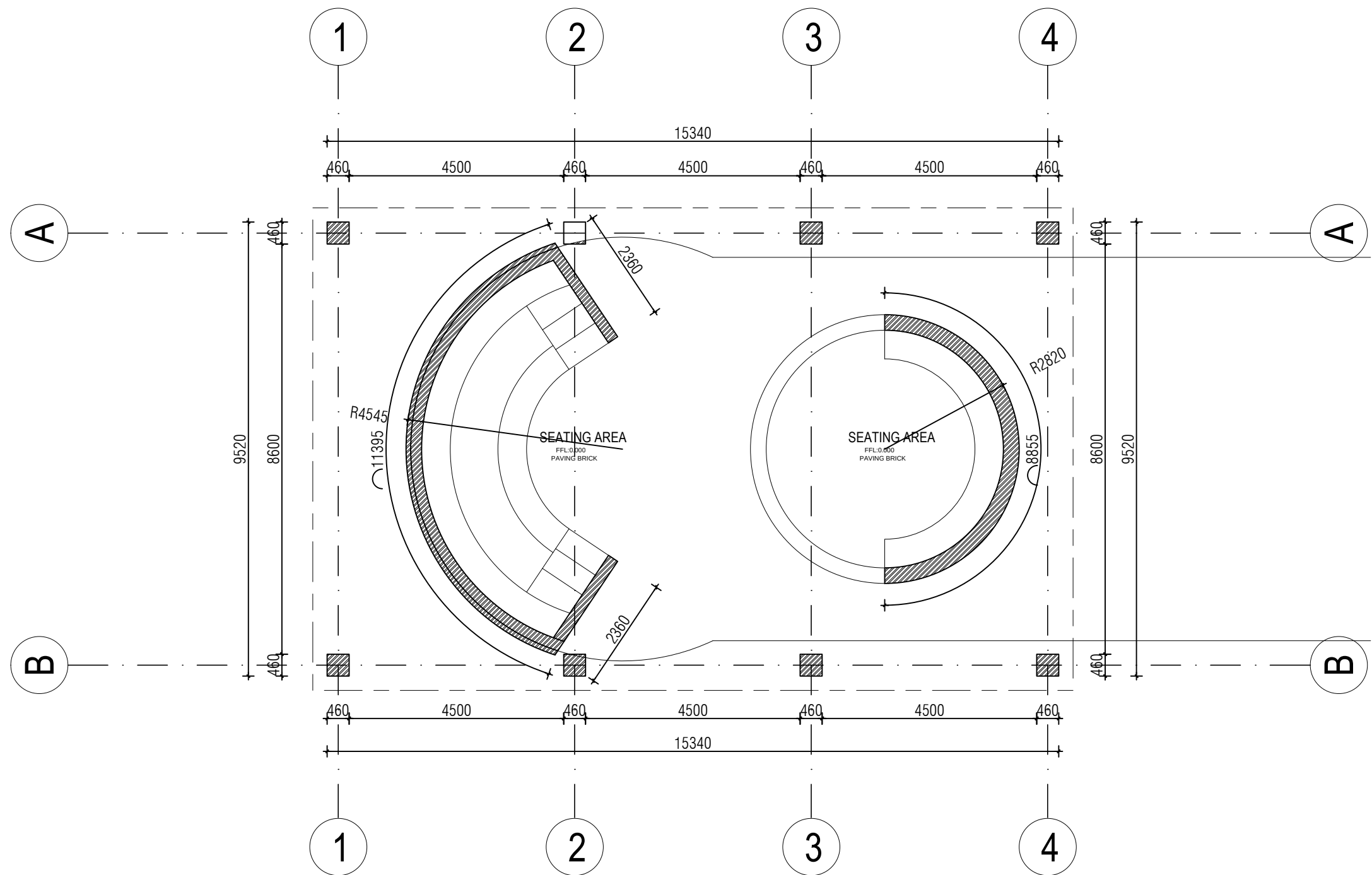


ELECTRICAL LEGEND			
	CEILING LIGHTS		LIGHT SWITCH
	FLOURECENT LIGHTS		2WAY SWITCH
	EXTERNAL LIGHTS		2WAY SWITCH
	DOUBLE PLUG		DOUBLE PLUG
	SINGLE PLUG		STOVE CONN
	TELEVISION POINT		EXT WALL LIGHT WITH DAY-NIGHT SWITCH



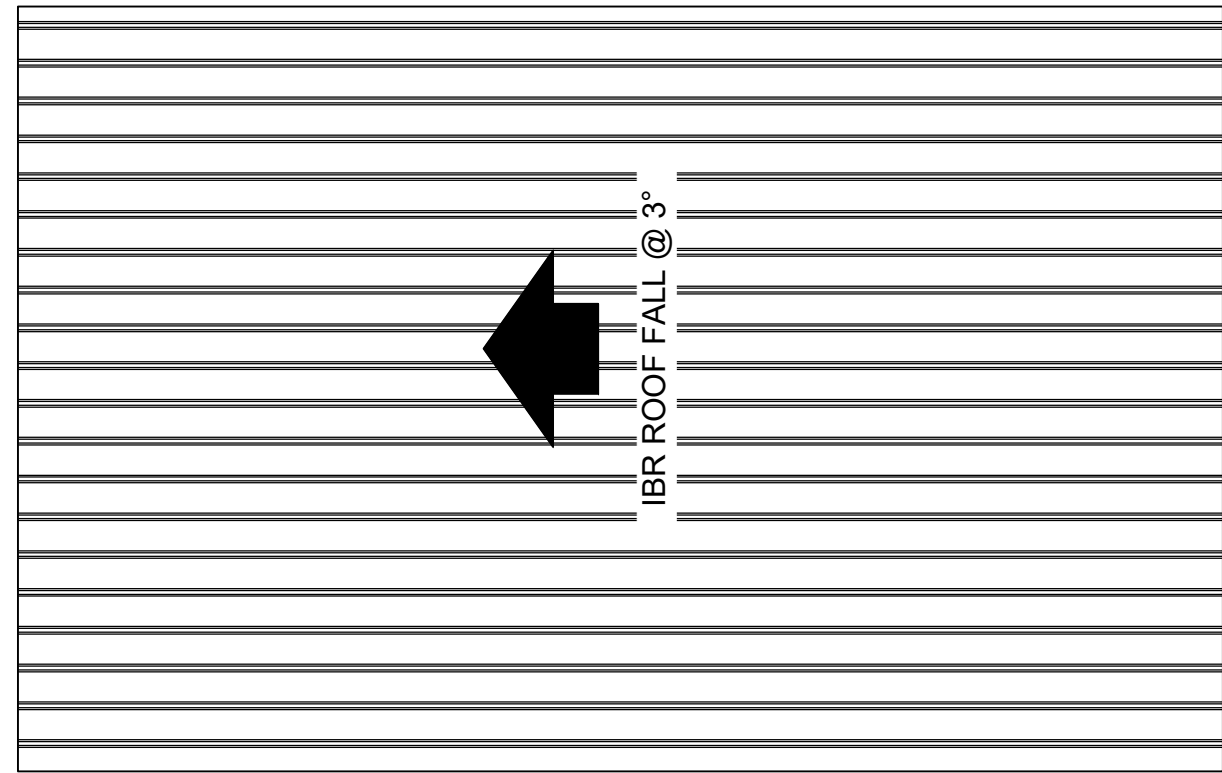
REVISIONS				CLIENT:	PROJECT:	LPS CONSULTING Unit No.27.0.0.3 Central Park 12 Suikerriet Street Nelspruit 1201 CELL: 013 744 6070 Email: info@lpsconsult.co.za		SCALE	AS SHOWN	DRAWING NUMBER 032_DRIE_W006	SHEET 00
REV	BY	DATE	DESCRIPTION					DATE	NOVEMBER 2019		
								DESIGNED:	T.M		
								DRAWN:	T.M		
								CHECKED:	L.S.M & T.N		
								SIGN:	DATE:		
										PROJECT NUMBER 032_DRIE	

				CLIENT:	PROJECT: NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL	TITLE: SECURITY GUARD HOUSE



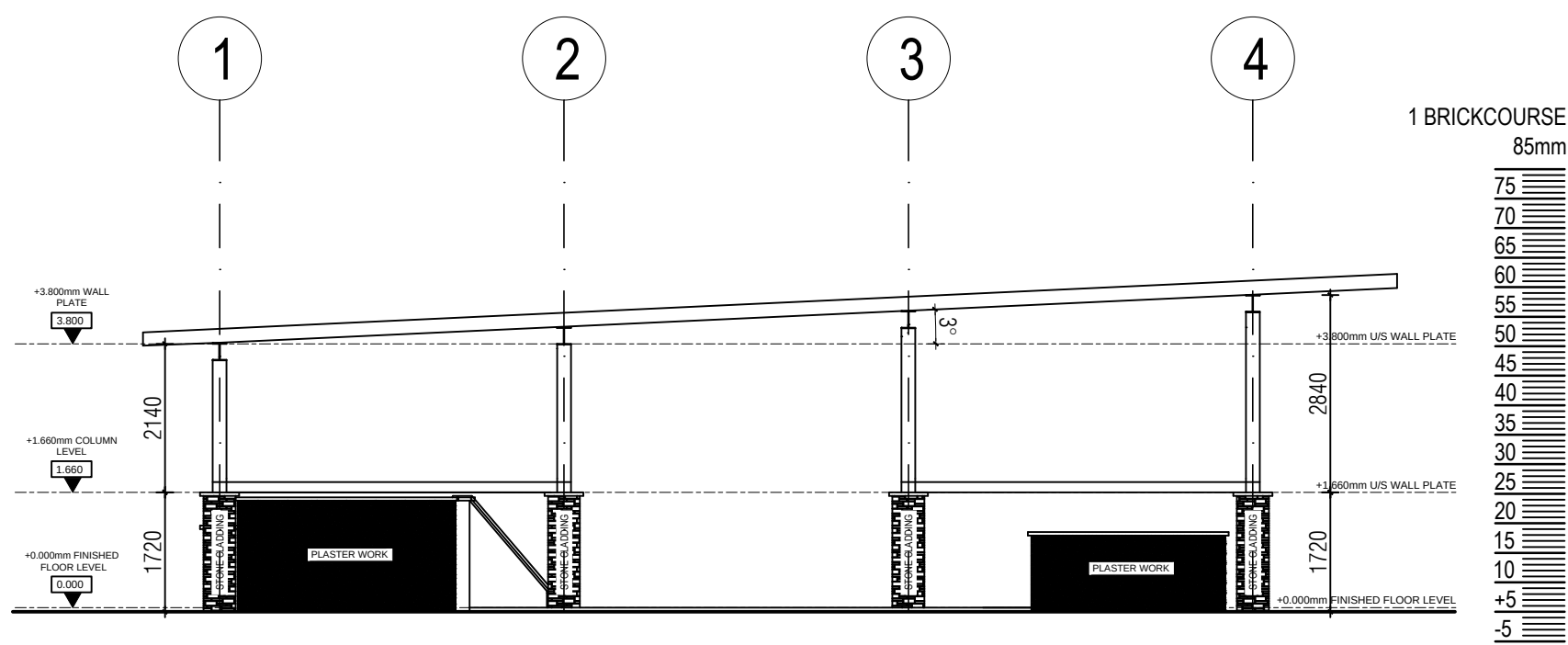
GROUND FLOOR PLAN

SCALE 1:100



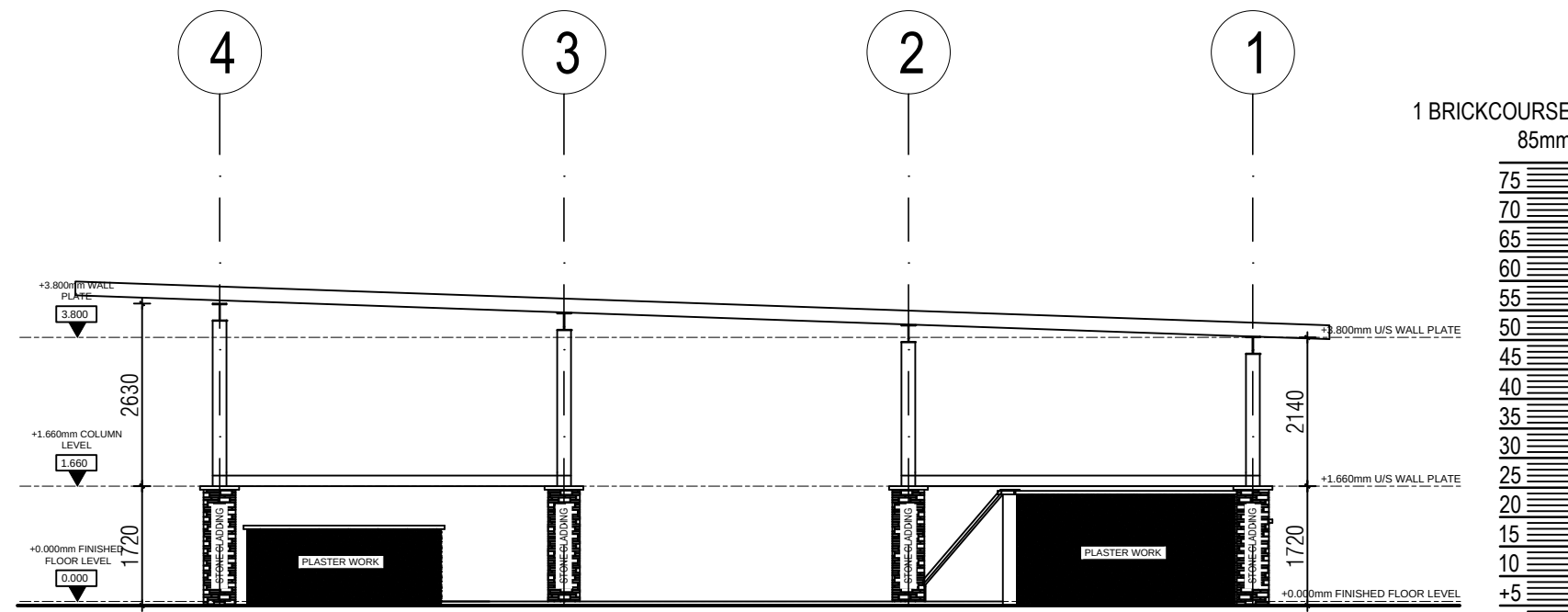
TOPVIEW ROOF PLAN

SCALE 1:100



SIDE ELEVATION

SCALE 1:100

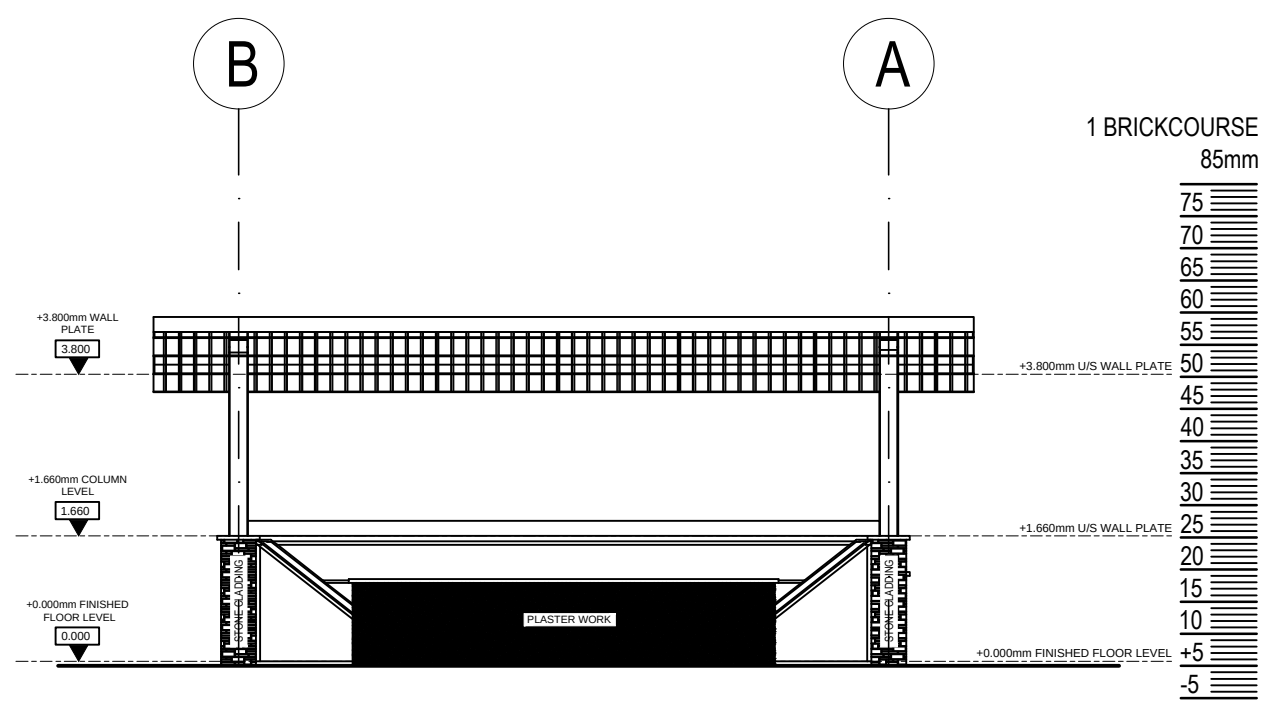


SIDE ELEVATION

SCALE 1:100

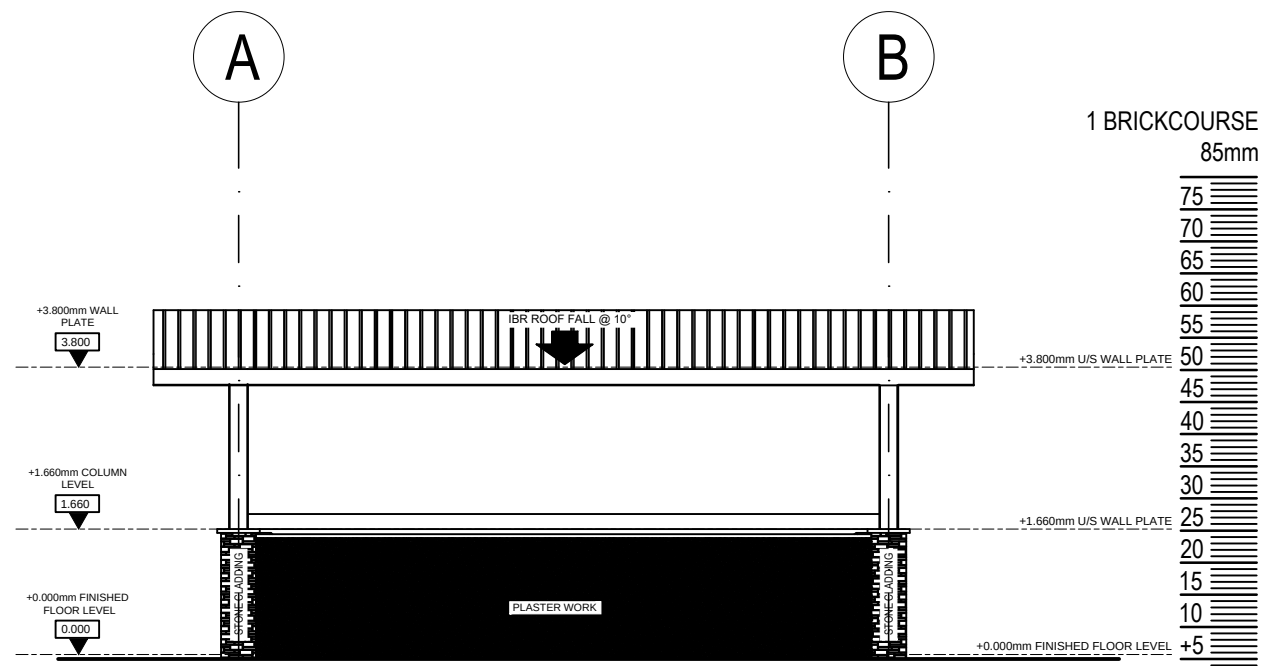
CONSTRUCTION LEGEND	
	NEW PROPOSED BUILDING
	NEW WALK WAY
	NEW PAVED CAR PARKING

ELECTRICAL LEGEND			
	CEILING LIGHTS		LIGHT SWITCH
	FLOURECENT LIGHTS		2WAY SWITCH
	EXTERNAL LIGHTS		2WAY SWITCH
	DOUBLE PLUG		DOUBLE PLUG
	SINGLE PLUG		STOVE CONN
	TELEVISION POINT		EXT WALL LIGHT WITH DAY-NIGHT SWITCH



FRONT ELEVATION

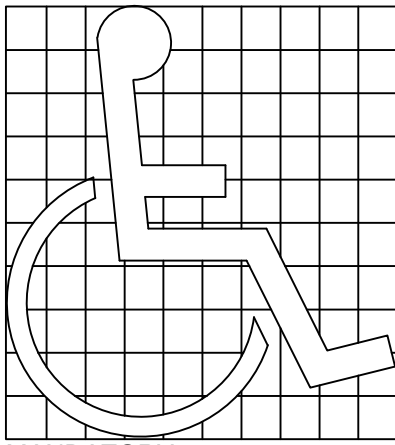
SCALE 1:100



BACK ELEVATION

SCALE 1:100

- H.1. Windows:**
All standard side hung or cottage pane steel frame windows as per 'Wispeco' catalogue or similar with brass handles, peg stays and sliding stays.
Frame finish 1 coat zinc chromium primer and 2 coats Plascon gloss enamel or SANS approved as per paint specifications.
Standard steel / aluminium clips on window fly screen with aluminium mosquito gauze to all openable sections.
All windows must be provided with burglar bars.
- H.2. Glazing:**
All as per SABS specifications and new safety requirements. Glass thickness, safety glazing and markings to SABS 0400 part N and SABS 0137.
General 3mm clear float glazing to steel frame with putty.
Specific 3mm obscure glazing in bathroom and w.c.
Safety glazing with a nominal thickness of 6mm should be installed to openings with a surface area greater than 0,8 square meter.
- H.3. Door Frames:**
Standard 1.2mm pressed steel door frames. Double rebated frame with 100mm hinges. Frame painted with 1 coat zinc chromium primer, 2 layers under coat and 2 coat enamel paint as per specifications.
- H.4. Doors:**
External:
Framed, ledged, braced and battened meranti doors - 813 x 2032 x 44mm thick.
External facade - 75 x 22mm v-jointed tongued and grooved battens.
Finish - 2 coats polyurethane varnish and sanded down between coats.
Ironmongery - 'Union' Springbok 390/311 2-lever or similar approved.
- H.5. Fly screen Doors:**
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Finish - polyurethane matt finish - 3 coats sanded down between coats.
Ironmongery - Black Japan pull handles (no. 2). Brass bark bolts inside (Solid art 203) and 100mm brass butt hinges.
Overhead closer - Dorma NHN81 series.
- J. Miscellaneous Items:**
J.1. Ceilings:
All gypsum ceilings with H-strips.
- J.2. Airbricks:**
Approved airbricks above windows and doors to laundries and bathrooms.
- J.3. Doorstops:**
Red rubber 38mm or other specific.



ACCESSIBLE ROUTES AND ACCESSIBLE MEANS OF EGRESS
ACCESSIBLE ROUTE - WALKING SURFACE
An accessible route shall consist of one or more of the following: walking surface with a slope not steeper than 1:20, no stepped changes in level greater than 15mm, which runs contiguously through doorway, ramps, elevation, platform (wheelchair) lift, from the point arrival to the component of the building or to be accessed

At least one accessible route shall be provided with the boundary of the site from public transportation stops, accessible parking spaces, passengers loading zones, and public street or pavements, to the accessible building entrance they serve

at least one accessible route shall connect accessible building, facilities, elements and spaces that are on the same site

at least one accessible route shall connect each level in multi-storey building and facilities including mezzanines

where direct access to a building is provided for pedestrians from an enclosed parking garage, at least one direct entrance.

at least one accessible entrance to a building or tenancy in a facility that entrance shall be accessible

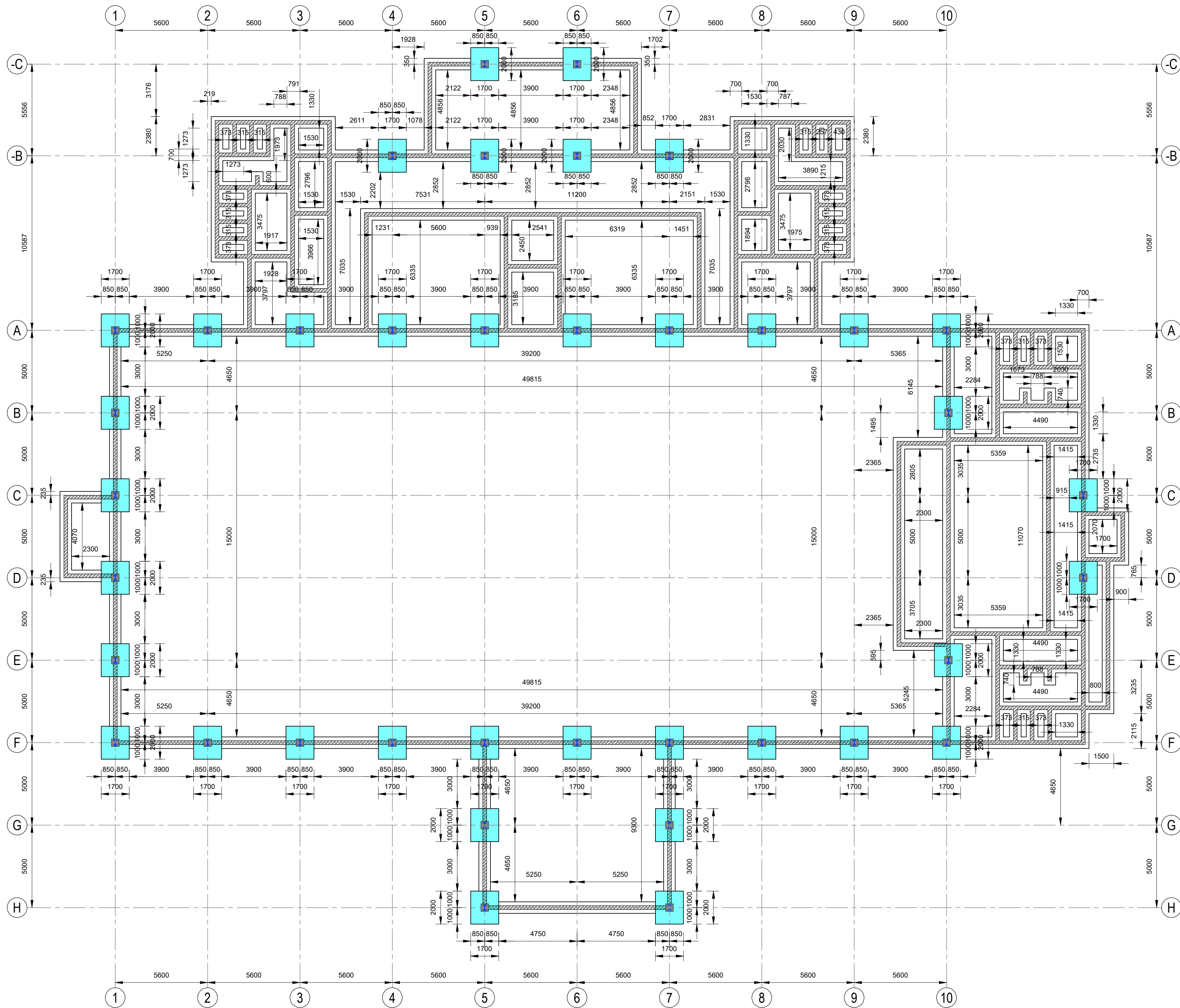
accessible entrance shall be identified by the international symbol of accessibility, and directional sign indicating the location of the nearest accessible entrance shall be provided at inaccessible entrance

Floor or ground surface shall be comply with item 1.2, changes in level shall comply with item 1.2 the running slope of walking surface shall not be steeper than 1:20, and the cross-slope not steeper than 1:40.

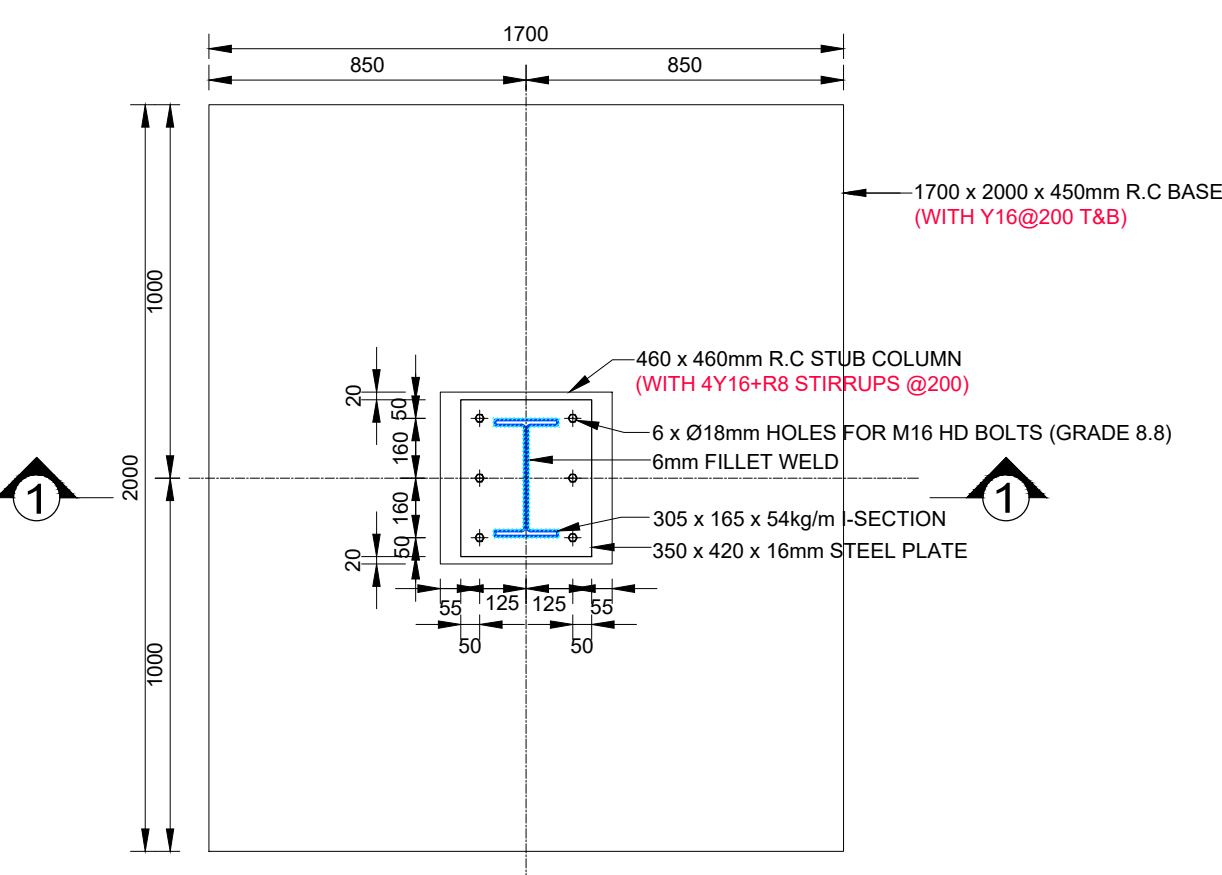
the clear width of walking surface shall be a minimum of 900mm, if the clear width is less than 1500mm, an accessible route shall be provided with passing spaces at interval of 50 metres (maximum) and of plan size 1500mm long by 1200mm (minimum) or an intersection of two walking surface which provide a T-shape as described in item 1.3

- GENERAL DESCRIPTIONS**
A.1. TRADE NAMES
All products specified by trade name is subject to the additions of "... or similar approved product" with approval by architect. Colour of finishes to architects.
- A.2. INSECTICIDE**
Treat soil under foundations and surfaces beds with 'Chlordane' (SABS 1165) soil insecticide according to SABS 0124. Contractor to furnish guarantee.
- A.3. FILLING**
Filling under surface beds to be approved insert material compacted in layers of maximum 150 mm to a minimum of 93 % MOD AASHTO
- A.4. DAMP PROOF COURSE**
Damp Proof Course - 0,375 mm Polyolefin dpc (SABS 952 type B) in un-jointed lengths where possible over full width of wall as shown on detail sections.
- A.5. EXPANSION JOINTS**
Provide expansion joints as indicated per floor plans and to receive 'Spanseal' 50 and 'Polyspan' expansion joint covers with Code: EJC 65.
- B. CONCRETE, FORMWORK AND REINFORCEMENT:**
B.1. Foundations:
15 MPa / 19mm stone - 600 x 230mm deep concrete strip foundations, minimum 500mm below natural ground level. Foundations as per engineer's specifications where required as per general specifications.
Foundations 230 mm thick 15 Mpa (1:3:6 mix) concrete strip foundations, in widths shown on foundation plan. Depth to suit soil conditions and to the approval of architect and local authority.
- B.2. Surface Bed:**
Cement to be SABS ENV 197-1, minimum grade 42.2. 100mm thick unreinforced surface bed on GUNDEL gunplas usb d.p.m. (0,25 micron) on well compacted hardcore treated with Coopex T.C. or SANS approved soil poisoning (5 year guarantee)
- B.2. Lintels:**
Precast concrete lintels above openings, where door frames and window frames are specified. Precast lintels to be built in 225mm past openings into brickwork. Lintels to comply with SABS 1504 - 1990.
- C. BRICKWORK:**
C.1. Common Bricks:
Ideal - 150mm wide cement building blocks with cavity, 7,5 MPa Clay bricks - according to SABS - bricks to be of uniform size and shape, 230 x 115 x 75mm, class NFP, not less than 7,5 MPa strength. All brickwork in stretcher bond course with 10mm mortar joint, weather recessed to a depth of 6mm 'brick force' reinforce. OR Cement bricks - 230 x 115 x 75mm solid cement bricks. Bricks to comply with SABS 1215-1984. Blocks to have minimum tolerance of 2mm out-of-squareness in all directions, minimum strength of 7,5 MPa and a maximum drying shrinkage of 0,06%.
- Note - certification of compliance from the supplier to these requirements to be furnished on request. Cement bricks - 7,5 MPa as per SANS codes or 150mm blocks
- C.2. Foundation Walls**
Common bricks as specified above. Mortar between brickwork to be 1:4 cement, sand mixture. The height of any foundation wall not acting as a retaining wall shall not exceed 1,5m. Minimum thickness of foundation walls to comply with Table 4 - part KK, NBR. Ideal - 150mm wide cement building blocks with cavity
- C.3. Mortar:**
Refer to SABS ENV 197-1, common cements, and cement to be MCII, SABS 1090-1976. Sand for plaster and mortar. Class 1 for work below ground - 10Mpa - 1:4 mixture (one cement to three volumes building sand). Class 2 for work above ground - 15Mpa - 1:6 mixture.
- D. PLASTERING:**
D.1. Internal and External Walls:
Minimum 12 - 15mm thick, 1 cement: 5 sand mixture.
- A. WATERPROOFING:**
A.1. Damp-Proof Courses:
Under floor membrane to be 'GUNDLE' gunplas usb d.p.m. - turned up around perimeter of and at least for the full thickness of the slab. Any joint in such membrane shall overlap by not less than 150mm and shall be effectively sealed with sealing strips. (as 375 micron d.p.m. (brick grip) underneath all walls and underneath all window cills, all to SABS 952, type C.
- Any wall of a building shall be provided with a damp-proof course in such position and to an extent that will protect the wall against rising damp and the interior of the building against ingress of moisture from abutting ground. No horizontal damp-proof
- B. ROOF CONSTRUCTION:**
B.1. Roof Anchorage:
Typical construction application a galvanized steel strap or wires shall be embedded in the wall at positions suitable for anchoring any timber roof truss, rafter or beam to such wall. Such strap or wire shall extend into the wall to a depth of at least 4 brick courses.
Any roof truss, rafter or beam shall be fixed to any wall by using one of the following types of anchors:
Type A: two strands of 4mm galvanized steel wire;
Type B: 30mm x 1,2mm galvanized steel strap.
Refer to part KK13 NBR (SABS 0400-1987) for further details.
- F.2. Corrugated Steel Roof Sheetting:**
Chromadek "Sand Stone Beige" 0,6mm roof sheeting on approved isolation as specified on 75 x 50mm S.A. pine battens / purlins at maximum 1200mm centers on prefabricated 115 x 38mm S.A. pine timber trusses at 900mm centers. Fibre - cement barge boards and fascias - standard specification.
- G. Floor Finish:**
G.1. 25mm tinted granolithic screed.

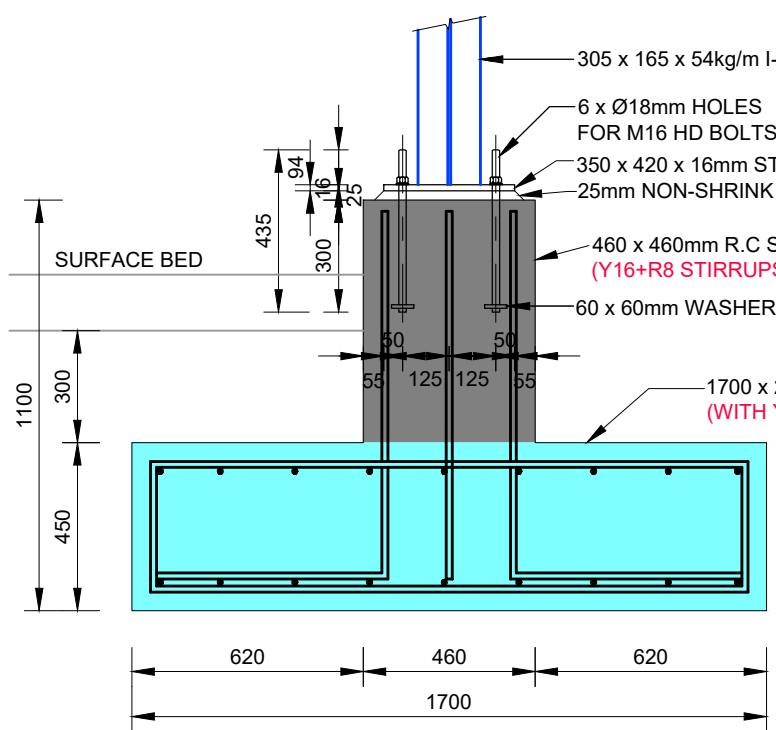
REVISIONS				CLIENT:	PROJECT:	LPS CONSULTING Unit No.45.0.2 Central Park 12 Suikerriet Street Nelspruit 1201 TEL: 013 744 6070 Email: info@lpsconsult.co.za		SCALE	AS SHOWN	DRAWING NUMBER 032_DRIE_W007	SHEET 00			
REV	BY	DATE	DESCRIPTION					DATE	NOVEMBER 2019					
								DESIGNED:	T.M					
										DRAWN:		T.M	PROJECT NUMBER 032_DRIE	
										CHECKED:		L.S.M & T.N		
										SIGN:		DATE:		



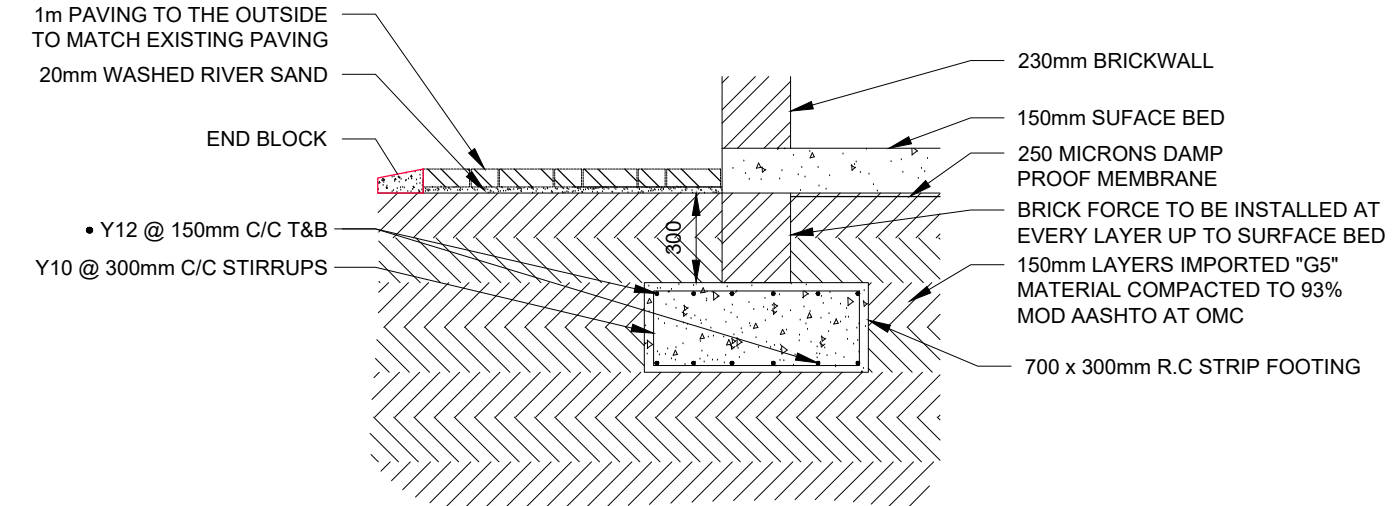
FOUNDATION LAYOUT
SCALE 1:150



BASE PLATE DETAIL OF
305x165x54kg/m I-SECTION
SCALE 1:20



SECTION 1-1
SCALE 1:20



STRIP FOUNDATION FOR
230mm BRICKWALL
SCALE 1:25

REVISIONS			
REV	BY	DATE	DESCRIPTION
0	V.N	12.2020	FOR CONSTRUCTION
0	V.N	05.2021	FOR CONSTRUCTION

CLIENT:


NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

PROJECT:

NEW CONSTRUCTION OF DRIEKOPPIES
COMMUNITY HALL

TITLE:

FOUNDATION LAYOUT & DETAILS

SCALE: AS SHOWN

DATE: DECEMBER 2020

DESIGNED: L.S.M

DRAWN: V.N

CHECKED: L.S.M

SIGN: DATE:

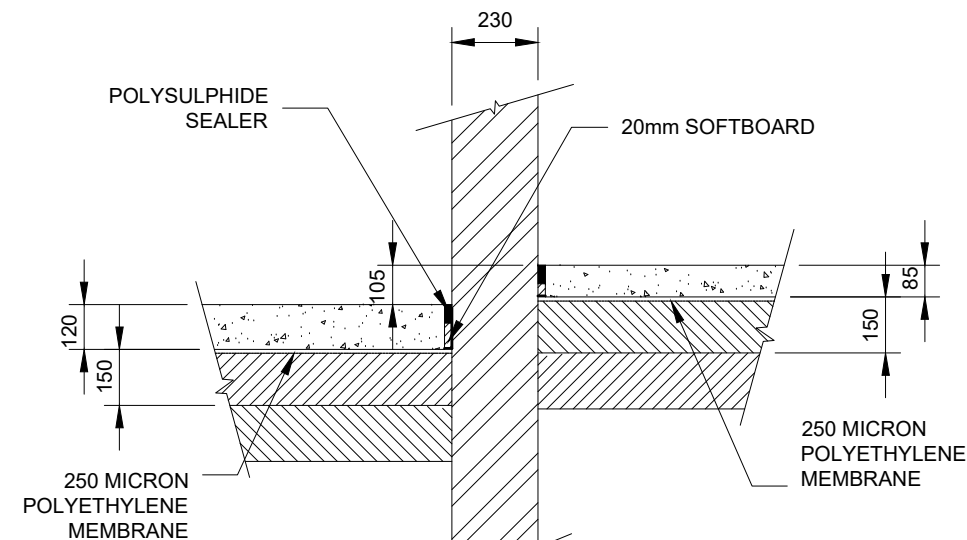
DRAWING NUMBER: REV

LH201902/C/001 01

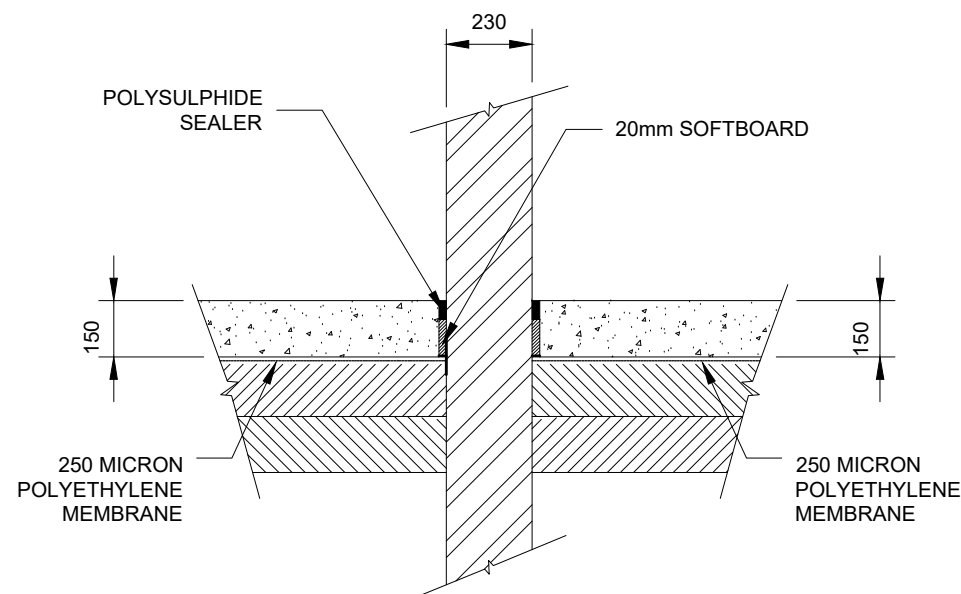
LPS CONSULTING (PTY) LTD
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070

GENERAL CONCRETE NOTES

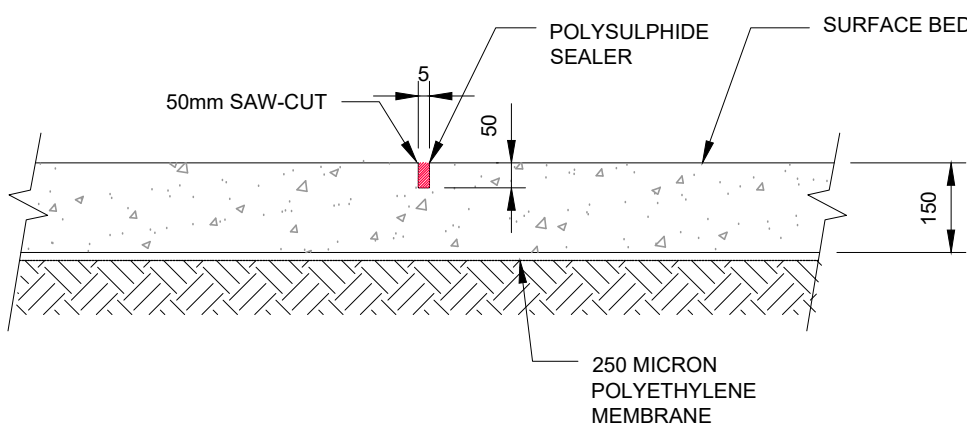
1. GENERALLY ALL CONCRETE WORK IS TO BE IN ACCORDANCE WITH THE FOLLOWING - CONTRACT SPECIFICATION, SANS 1200, SANS 10100 AND SANS 10161
2. READ THIS DRAWING IN CONJUNCTION WITH THE RELEVANT SPECIFICATIONS, ARCHITECTS DRAWINGS AND SERVICES DRAWINGS
3. DIMENSIONS MUST NOT BE SCALED OR ASSUMED
4. CONCRETE MIXES: MASS CONCRETE
MASS CONCRETE (USED AS BACKFILL TO OVERBREAK) 10/19
FOUNDATIONS (LOAD BEARING WALLS) 25/19
BEAMS/COLUMNS 25/19
SURFACE BEDS 25MPa
5. ALL REINFORCEMENT FIXING AND PLACING MUST BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO POURING CONCRETE
6. COVER TO REINFORCING:
FOUNDATIONS = 50 (EARTHFACE = 40mm)
BEAMS/COLUMNS = 30 (EARTHFACE = 40mm)
7. CONCRETE FINISHES: TOP OF SLABS TO BE POWER FLOATED
8. COLD/WET WEATHER CONCRETING AS PER SPECIFICATION
9. ALL LOAD BEARING BRICKWORK TO BE OF BRICKS WITH A CHARACTERISTIC COMPRESSIVE STRENGTH OF 14 MPa & LAID IN CLASS II MORTAR
10. BRICKFORCE IN EVERY FOURTH COURSE TO LOAD BEARING BRICKWORK
11. STRIPPING OF FORMWORK AS PER SPECIFICATION (WITH ENGINEERS APPROVAL)
12. FORMED OF 2 LAYERS OF 3 PLY MALTOLD LAID ON SMOOTH MORTAR BED ON TOP OF BRICKWORK. VERTICAL SURFACES OF CONCRETE TO BE SEPARATED FROM BRICKWORK BY 10 MM POLYETHYLENE FILLER BOARD
13. NO HOLES OR CHASES SHALL BE CUT OR FORMED IN CONCRETE UNLESS SHOWN ON DRAWINGS, DETAILED IN SPECIFICATION OR APPROVED BY ENGINEER
14. LOADING DURING CONSTRUCTION - MAXIMUM LOAD ON FLOOR DURING CONSTRUCTION TO BE 500 kg/m²
15. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS POSSIBLE. IF THERE IS ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE SPECIFICATION, THE ENGINEER MUST BE INFORMED



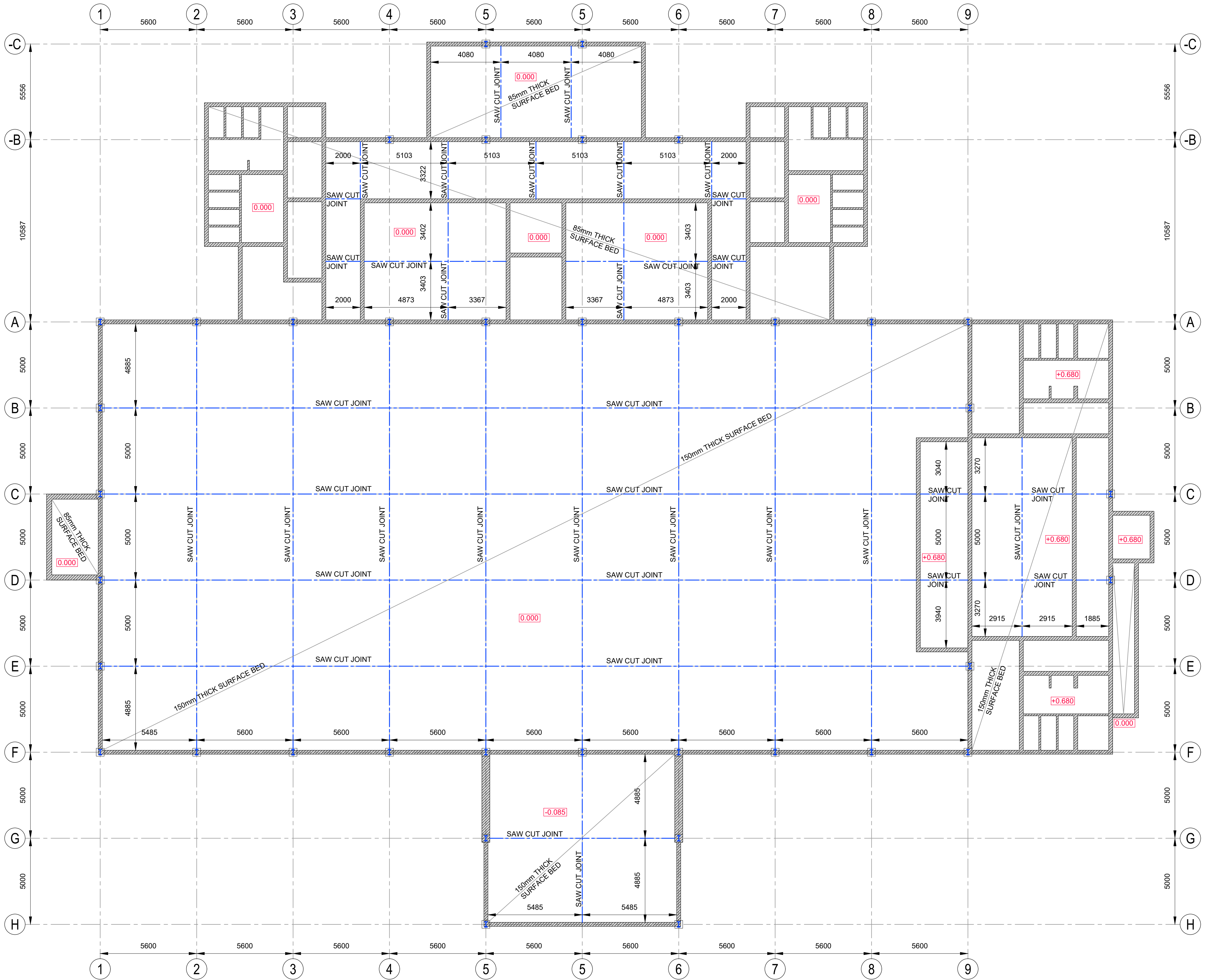
SECTION OF SURFACE BED
CAST AGAINST WALLS AT A STEP
SCALE 1:20



TYPICAL SECTION OF SURFACE BED CAST
AGAINST INTERNAL 230mm BRICK WALLS
SCALE 1:20



TYPICAL SURFACE BED
SAW-CUT JOINT DETAIL
SCALE 1:10



SURFACEBED LAYOUT
SCALE 1:150

REVISIONS				CLIENT:
REV	BY	DATE	DESCRIPTION	
0	V.N	12.2020	FOR CONSTRUCTION	 NKOMAZI LOCAL MUNICIPALITY Private Bag X101 Malelane 1320
1	V.N	05.2020	FOR CONSTRUCTION	

PROJECT:	NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL
TITLE:	
SURFACE BED LAYOUT	

LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070



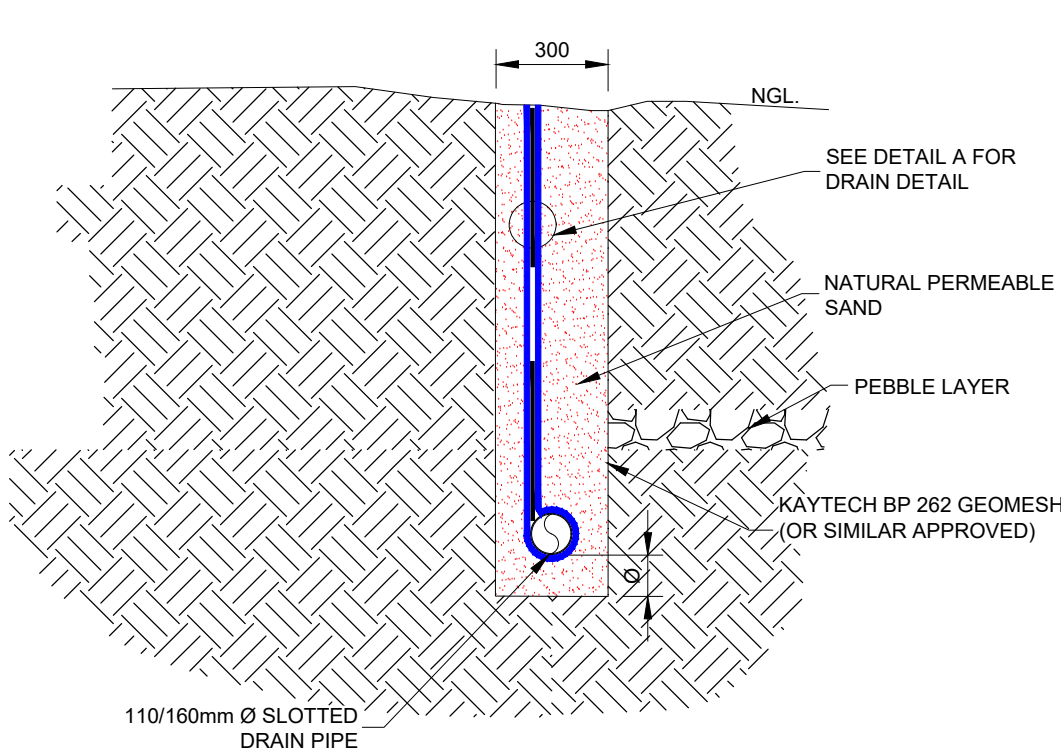
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DATE	DECEMBER 2020
DESIGNED:	L.S.M
DRAWN:	V.N
CHECKED:	L.S.M
SIGN:	DATE:

DRAWING NUMBER
LIH201802/C/002

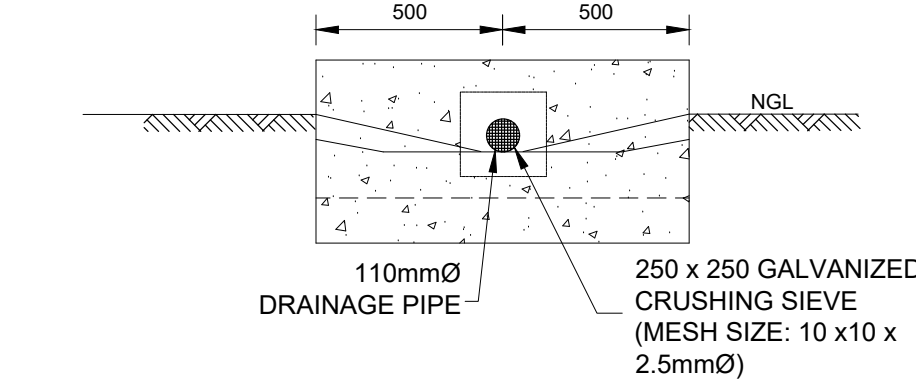
REV
01



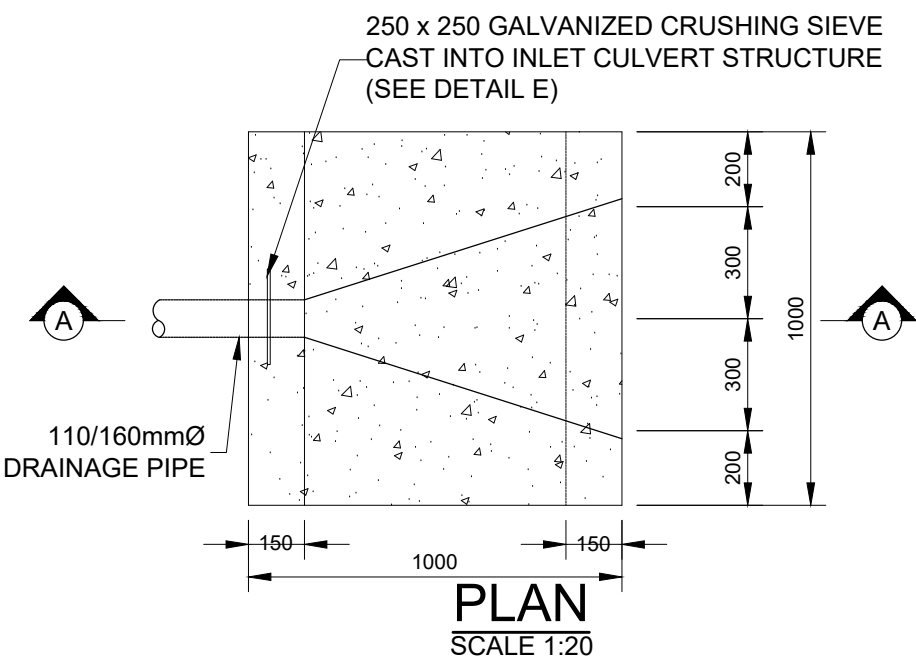
COMMUNITY HALL LAYOUT



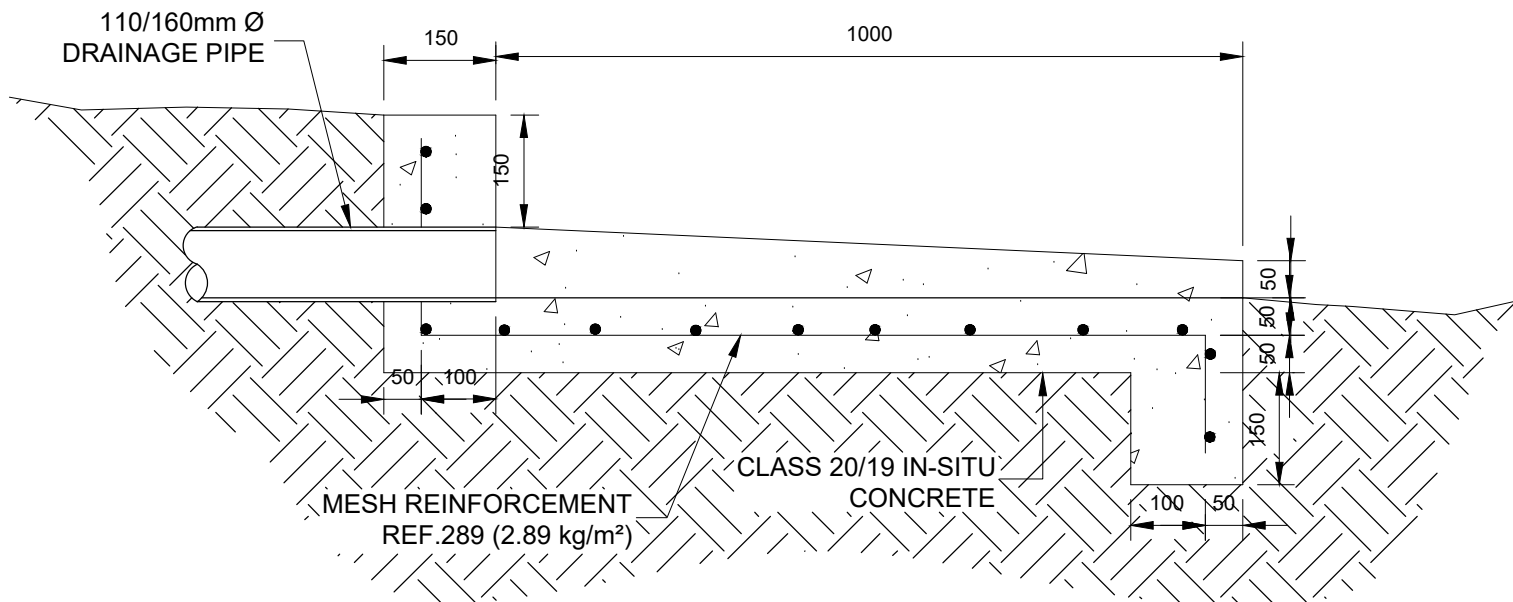
TYPE 1
TYPICAL FIN-DRAIN DETAIL
SCALE 1:20



ELEVATION
SCALE 1:20

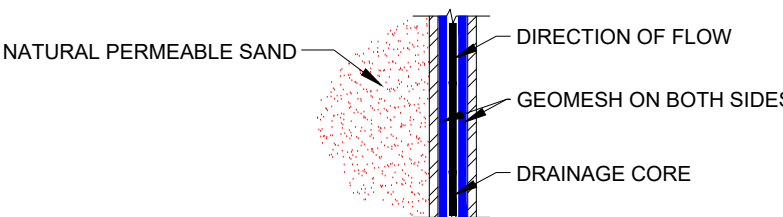


PLAN
SCALE 1:20



SECTION A - A
SCALE 1:10

SUB SURFACE DRAINAGE OUTLET STRUCTURE



DETAIL A: DRAIN DETAIL
SCALE 1:5

REV	BY	DATE	REVISIONS DESCRIPTION
0	V.N	08.2021	FOR CONSTRUCTION

CLIENT:



NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

PROJECT:

NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

TITLE:

SUBSOIL LAYOUT & DETAILS

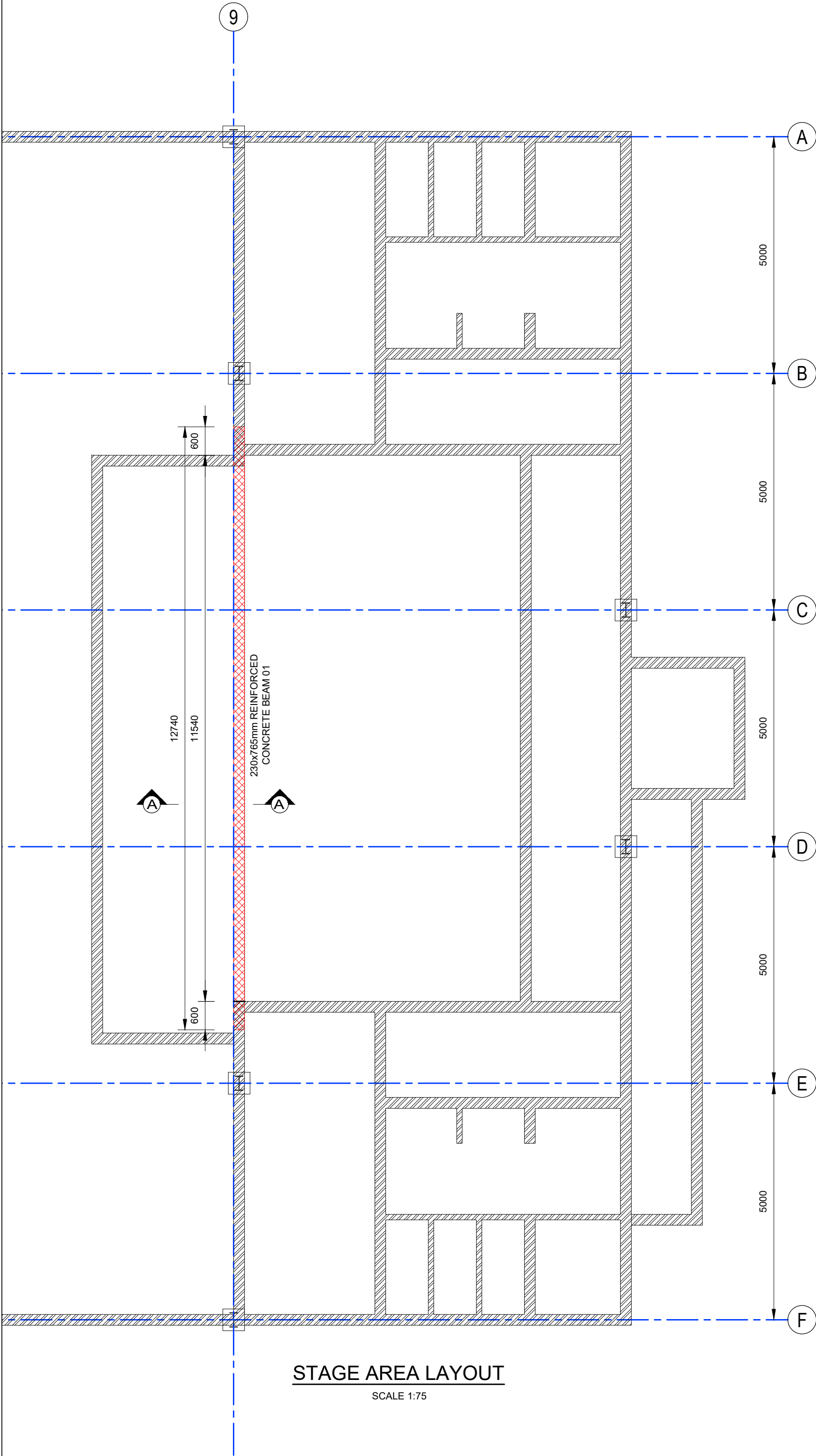
LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070



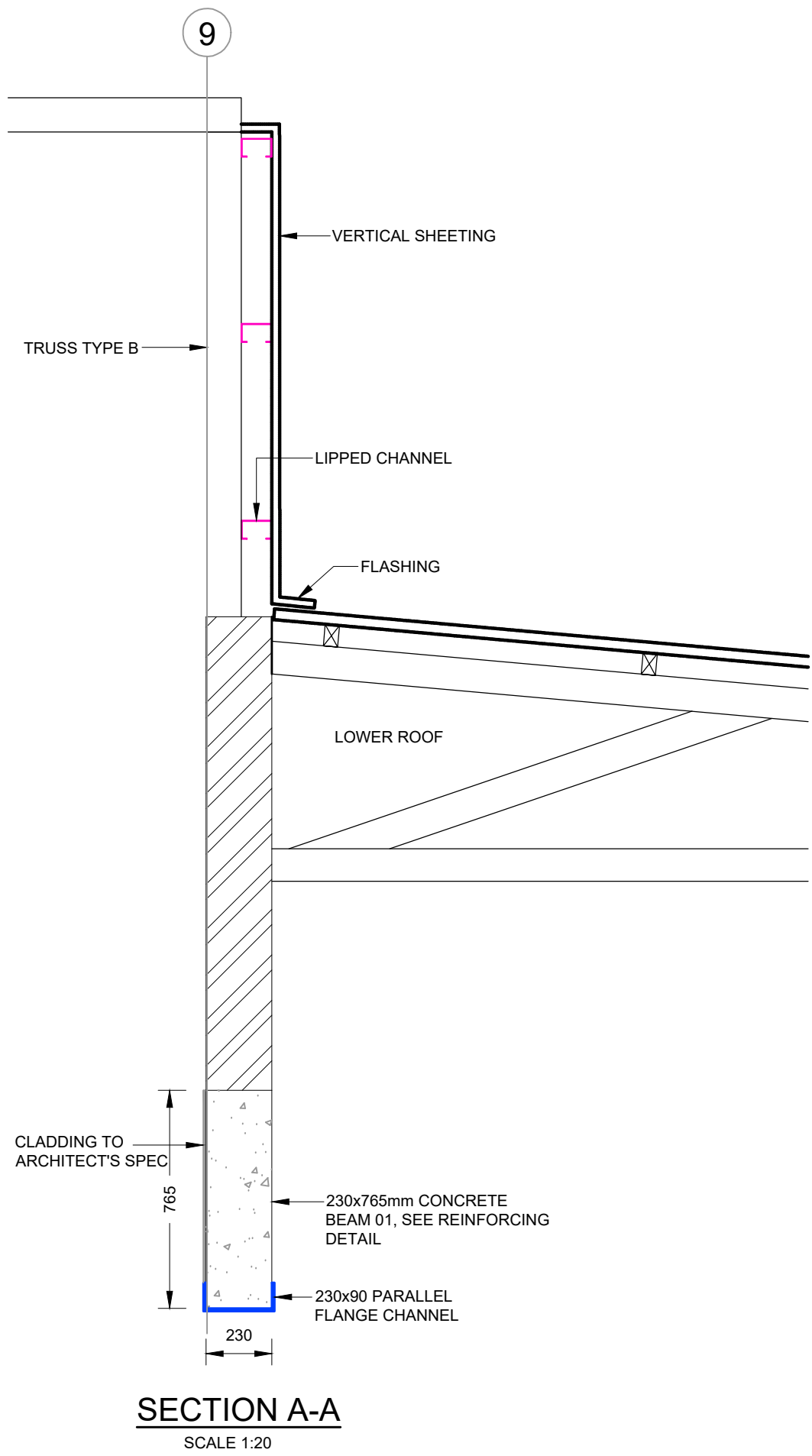
LPS
CONSULTING
(PTY) LTD

SCALE	AS SHOWN
DATE	AUGUST 2021
DESIGNED:	L.S.M
DRAWN:	V.N
CHECKED:	L.S.M
SIGN:	DATE:

DRAWING NUMBER	REV
LIH201802/C/001	00

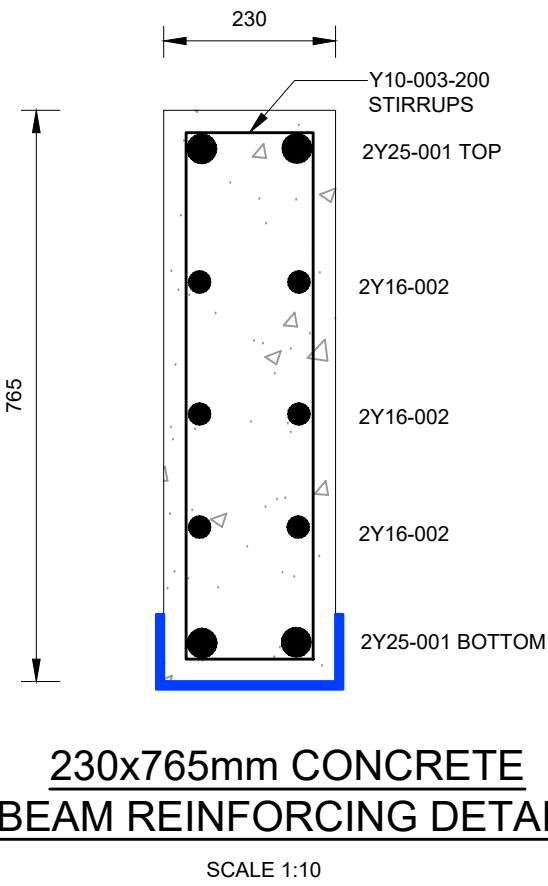


STAGE AREA LAYOUT
SCALE 1:75



SECTION A-A
SCALE 1:20

BENDING SCHEDULE												
MEMBER	NO.	BARS PER MEMB	DIA	LENGTH	TOTAL NO.	MARK	CODE	BENDING				
								A	B	C	D	E/R
230x765mm BEAM 01 REINFORCING		04	Y25	13000	04	001	34	12640				
		06	Y16	12880	06	002	35	12640				
		64	Y10	1950	64	003	60	705	170			STIRRUPS



230x765mm CONCRETE
BEAM REINFORCING DETAIL
SCALE 1:10

REVISIONS			
REV	BY	DATE	DESCRIPTION
0	V.N	03.2022	FOR CONSTRUCTION

CLIENT:



NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

PROJECT:

NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

TITLE:

STAGE BEAM DETAILS

LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070



SCALE	AS SHOWN	DRAWING NUMBER LIH201802/C/008	REV 00
DATE	MARCH 2022		
DESIGNED:	L.S.M		
DRAWN:	V.N		
CHECKED:	L.S.M		
SIGN:	DATE:		

STRUCTURAL STEELWORK

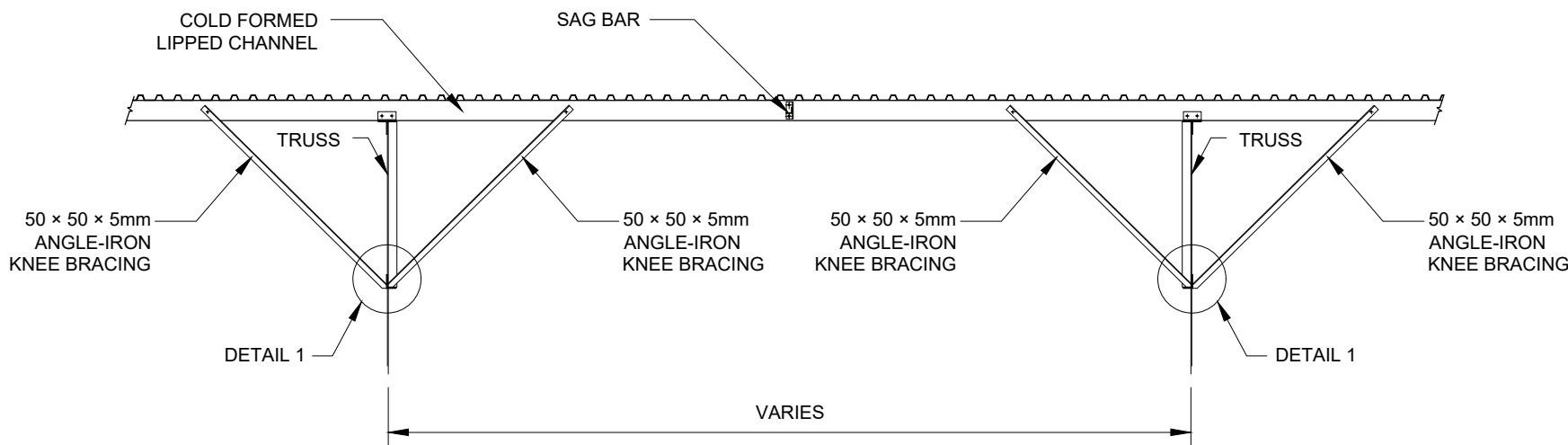
ALL STRUCTURAL STEELWORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH SABS 1200H.
WELDS SHALL CONFORM TO SANS 10167-2004.
ALL DIMENSIONS SHALL BE CHECKED ON SITE BEFORE SHOP DRAWINGS COMMENCE.
THE CENTROIDAL AXES OF ALL MEMBERS AT A JOINT TO BE CONCURRENT
ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
ALL STRUCTURAL STEELWORK SHALL BE GRADE 350W.
ALL STRUCTURAL STEEL ON SITE SHALL BE STORED AND HANDLED SO THAT IT IS NOT SUBJECTED TO DAMAGE OR EXCESSIVE STRESS AND MUST BE KEPT CLEAN.
WHERE BRICKWORK ABUTS AGAINST STRUCTURAL STEEL, THE BRICKWORK IS TO BE TIED TO THE STRUCTURAL STEEL WITH GALVANISED HOOP-IRON TIES 1.6mm THICK x 32mm WIDE x 600mm LONG TO EVERY THIRD COURSE OF BRICKWORK.
BOLTS M12 OR LESS TO BE GRADE 4.8
BOLTS M16 OR GREATER TO BE GRADE 8.8.

CORROSION PROTECTION OF STRUCTURAL STEEL

ALL CORROSION PROTECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS OF SABS HC - 1988.
PRIOR TO ANY FORM OF PREPARATION, ALL HARMFULL DEPOSITS ON THE SURFACE OF THE STEELWORK, SUCH AS OIL, GREASE, CHEMICAL DEPOSITS, CLAY, BITUMEN OR MUD, SHALL BE REMOVED.
ALL STEELWORK SHALL BE BRUSHED WITH A ROTARY WIRE BRUSH TO SIS 05 59 00.
STEEL SECTIONS BELOW SURFACEBED TO RECEIVE TWO COATS OF BITUMEN.

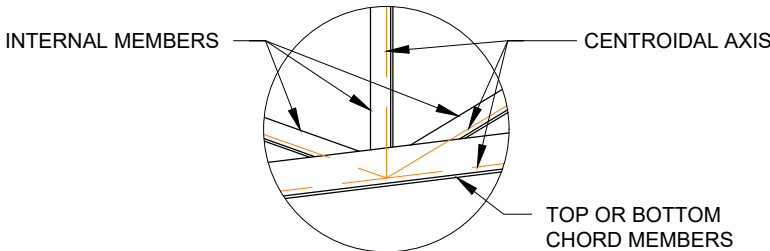
LEGEND:

- TRUSS TYPES
- KNEE BRACING
- 175 x 65 x 20 x 2.5mm CFLC PURLINS
- 50 x 50 x 5mm CROSS BRACING
- 40 x 40 x3mm SAGBARS
- 152 x 76mm TFC FALSE RAFTER
- 305 x 165 x 54 kg/m I-SECTION

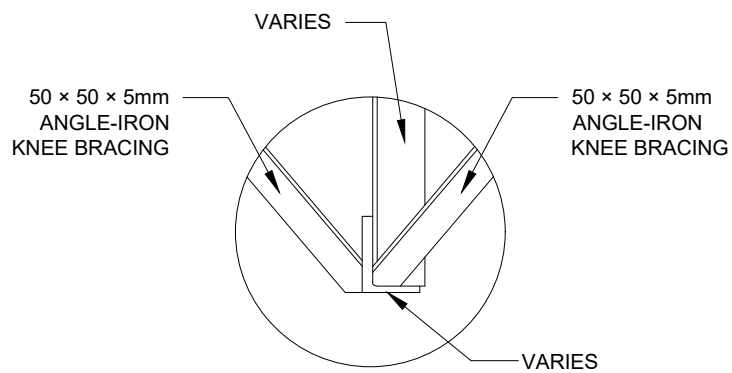


TYPICAL DETAIL OF ANGLE-IRON KNEE BRACING
SCALE 1:50

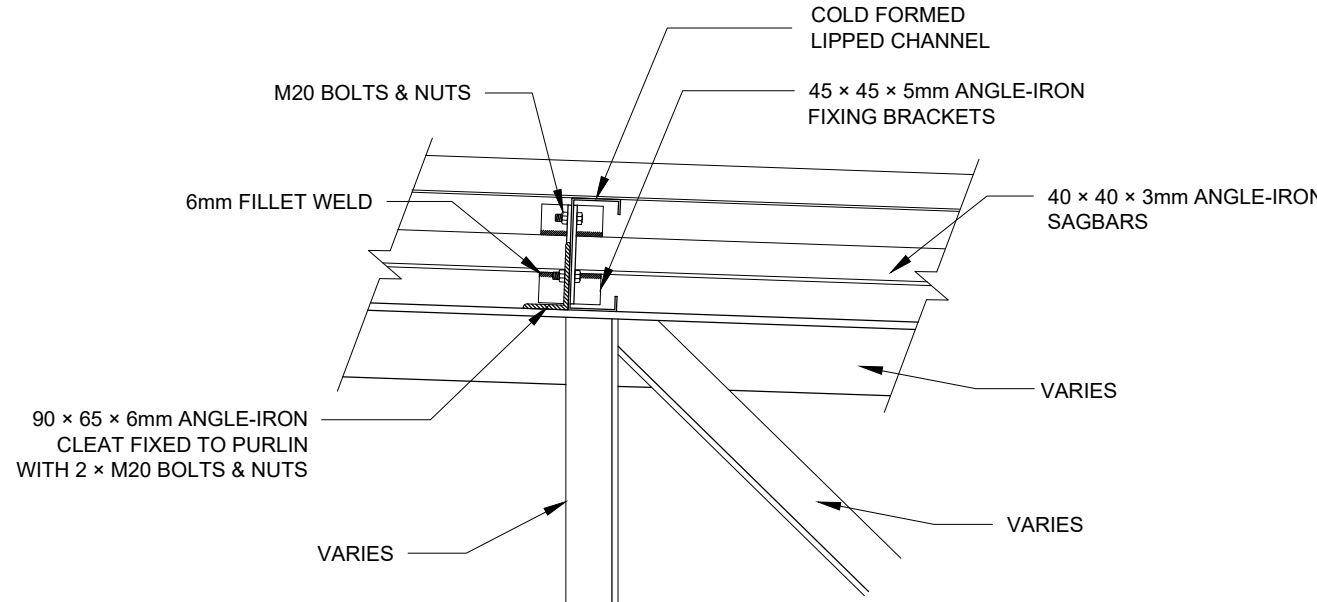
NOTE: THE CENTROIDAL AXES OF ALL MEMBERS AT A JOINT TO BE CONCURRENT



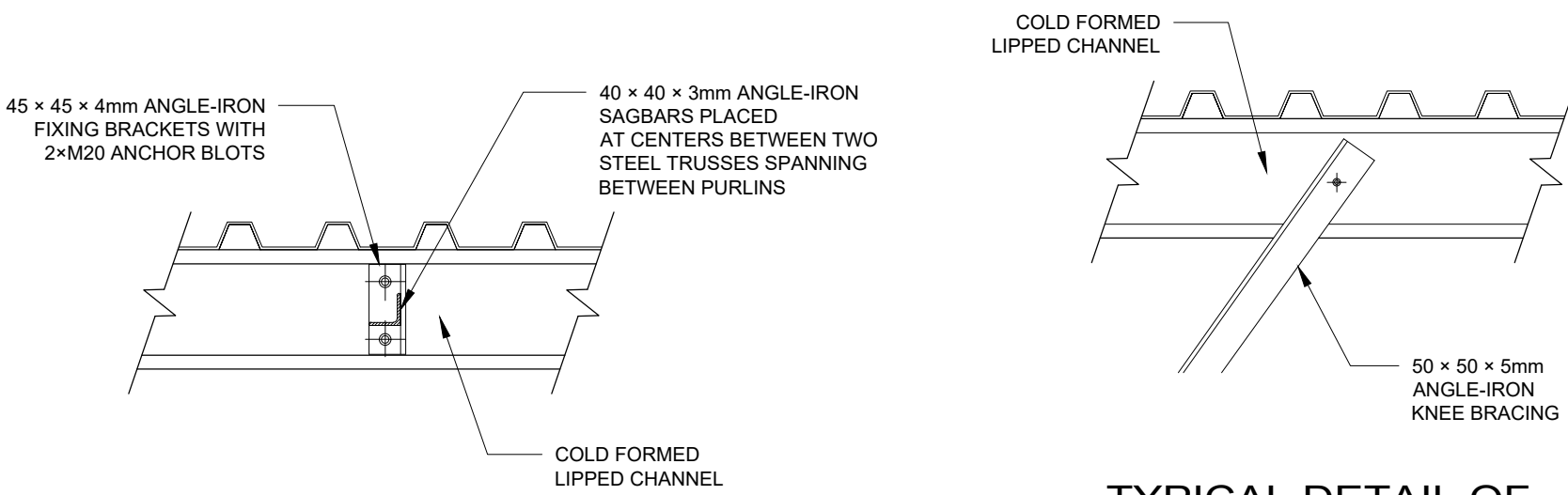
CONNECTION DETAIL OF TRUSSES
SCALE 1:20



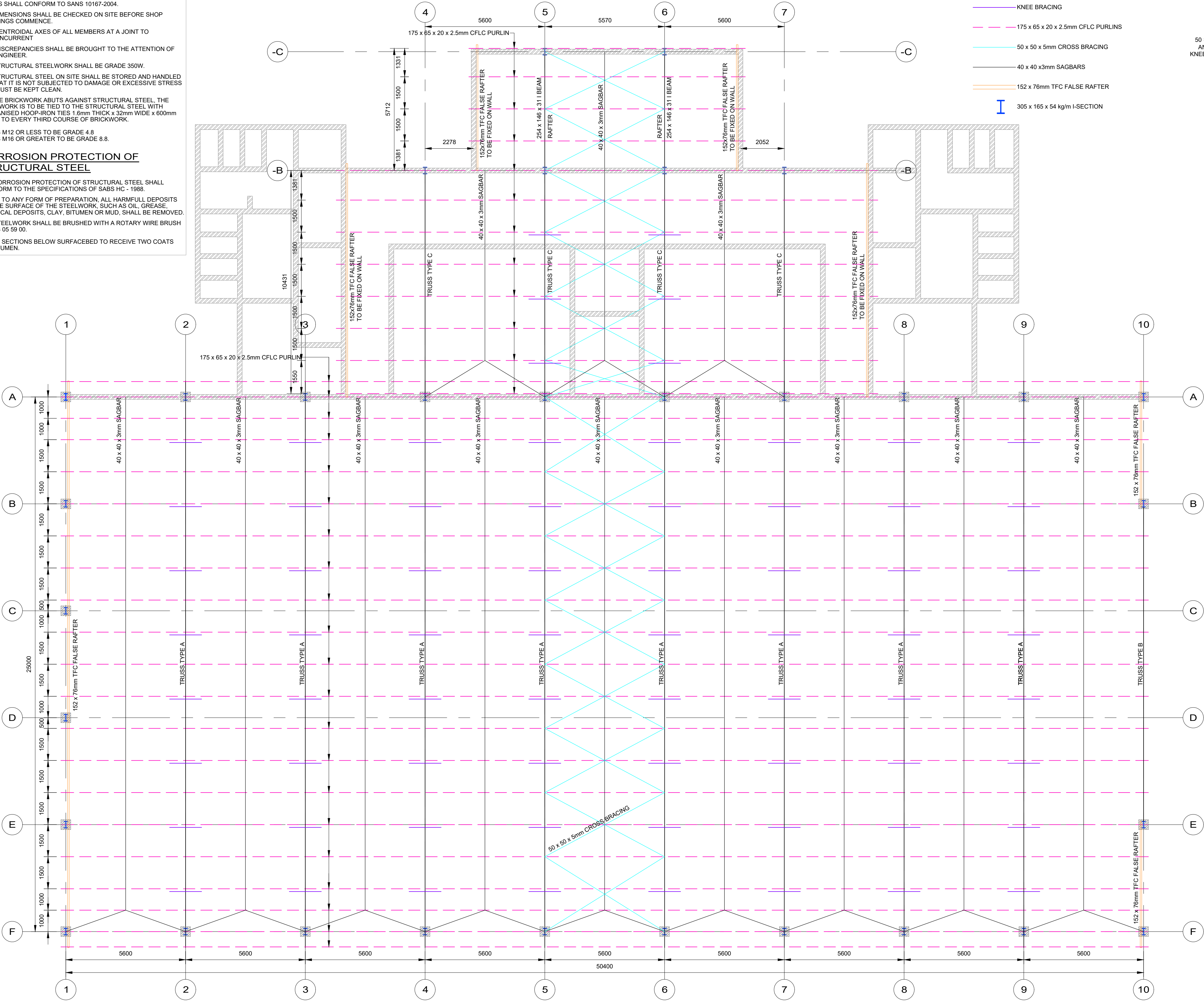
DETAIL 1
SCALE 1:10



TYPICAL DETAIL OF PURLIN FIXED TO TRUSS
SCALE 1:10



TYPICAL DETAIL OF ANGLE-IRON KNEE BRACING FIXED TO PURLIN
SCALE 1:10



STRUCTURAL STEEL ROOF LAYOUT
SCALE 1:100

REVISIONS			
REV	BY	DATE	DESCRIPTION
0	V.N	06.2020	FOR CONSTRUCTION
1	V.N	05.2021	FOR CONSTRUCTION

CLIENT:



NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

PROJECT:

NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

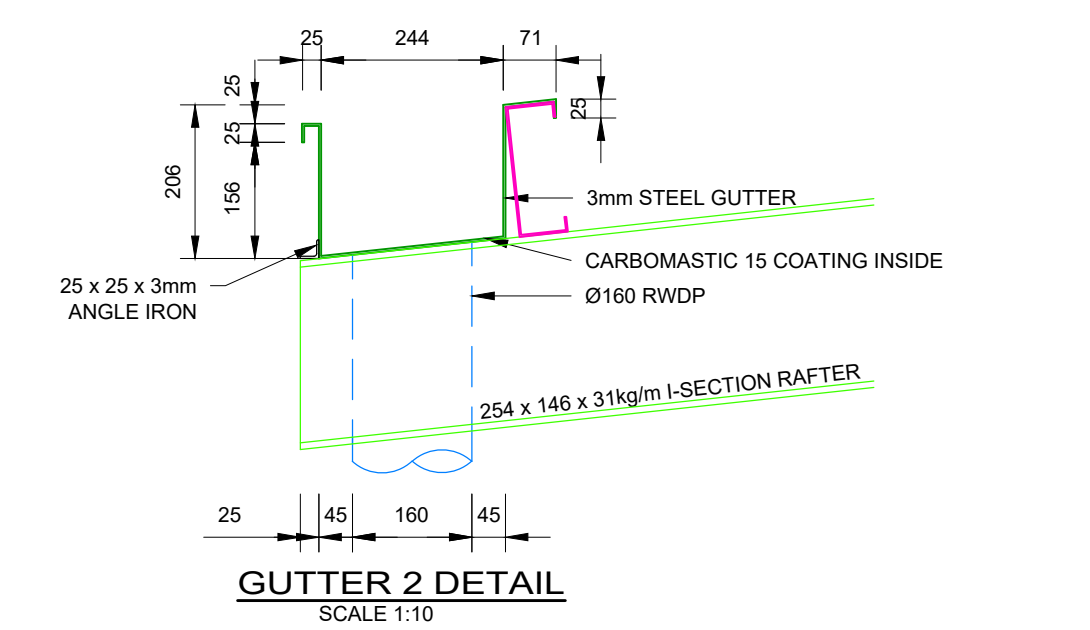
TITLE:

ROOF LAYOUT & DETAILS

LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070

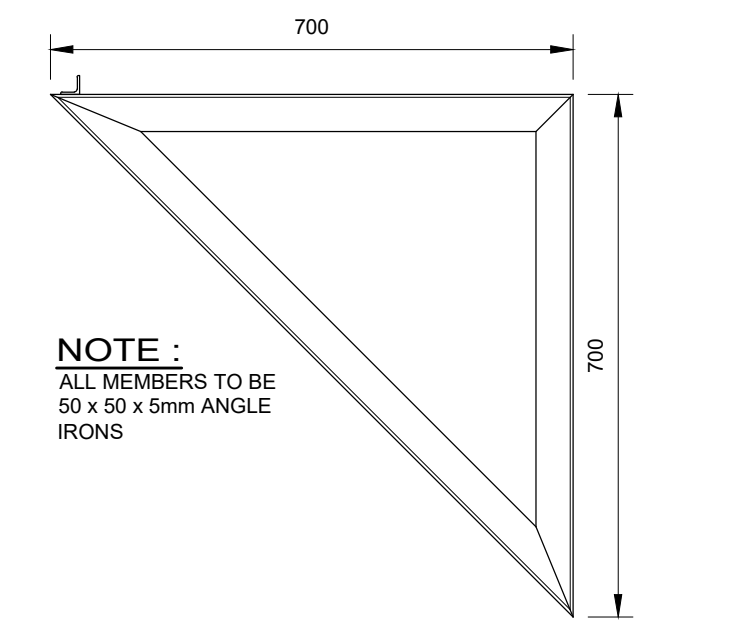


SCALE	AS SHOWN	DRAWING NUMBER LIH201902/C/003	REV 01
DATE	DECEMBER 2020		
DESIGNED:	L.S.M		
DRAWN:	V.N		
CHECKED:	L.S.M		
SIGN:	DATE:		



GUTTER 1 DETAIL
SCALE 1:10

The diagram illustrates the cross-section of a gutter system. Key dimensions include a total width of 444, a gutter depth of 25, and a base width of 275. The gutter is supported by 25 x 25 x 3mm angle iron. The gutter material is 3mm steel, and the base is coated with carbomastic 15. The gutter is connected to a truss top chord via a purlin. The gutter is also connected to a Ø300 RWDP (Rooftop Water Discharge Pipe) through a 300mm wide opening. The gutter is finished with a 3mm steel gutter and a carbomastic 15 coating inside.

[illegible][illegible]

Technical drawing illustrating the Truss to Column Fixing Detail. The drawing shows a vertical section of a column and a horizontal section of a truss member.

- Column Dimensions:**
 - Total height: 1857
 - Top flange thickness: 47
 - Web thickness: 47
 - Bottom flange thickness: 47
 - Flange width: 87
- Truss Member Dimensions:**
 - Height: 160
 - Width: 165
 - Material: 305 x 165 x 54kg/m I-SECTION COLUMN
- Fasteners:**
 - 180 x 70mm PFC (Pneumatically Applied Friction Compound)
 - 20 x GALVANIZED M20 BOLTS & NUTS GRADE 8.8
- Scale:** SCALE 1:20

6 x M16 BOLTS

12mm PLATE

10mm STIFFENER PLATE

A

TRUSS TO COLUMN FIXING DETAIL 3

SCALE 1:20

150
80
80
110
310

GATE

167x310x12mm PLATE

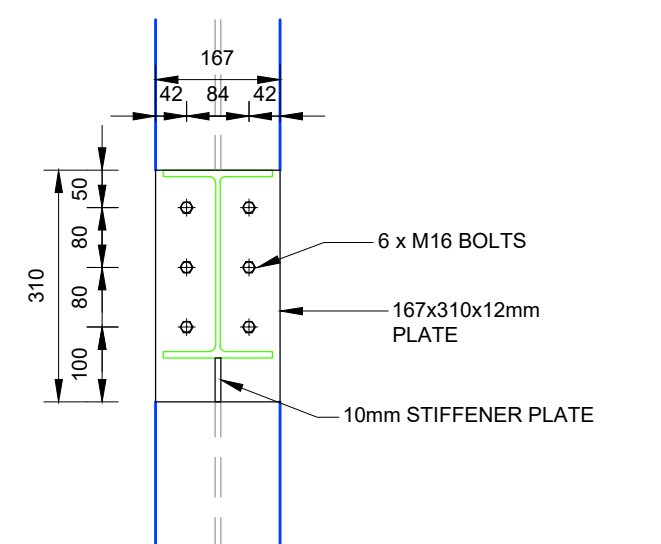
305 x 165 x 54kg/m COLUMN

FIXING DETAIL 4

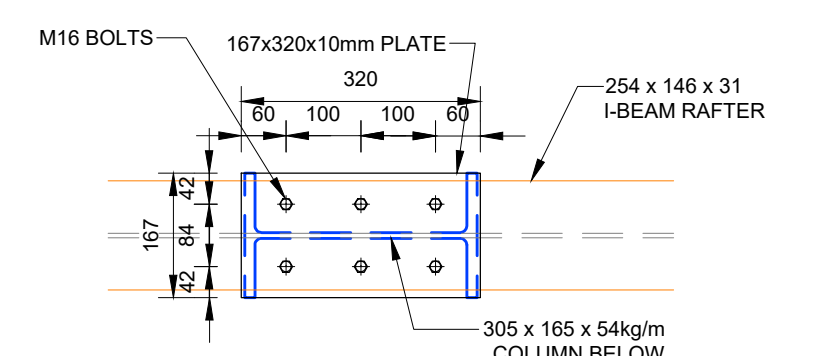
SCALE 1:10

FIXING DETAIL 4

SCALE 1:10



FIXING DETAIL 4
SECTION A-A
SCALE 1:10



FIXING DETAIL 5 : PLAN
SCALE 1:10

CLIENT:

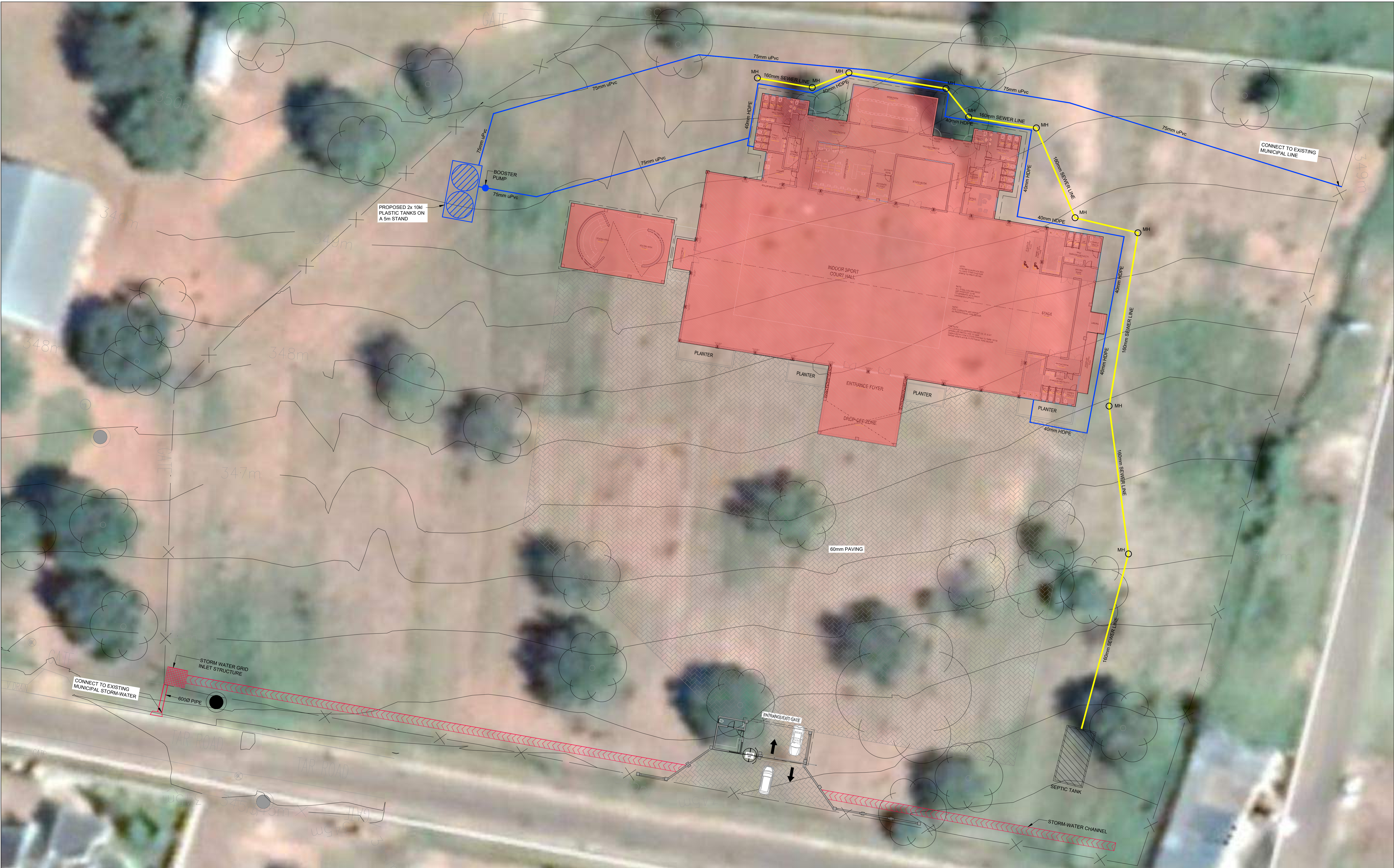

Nkomazi Municipality

NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070

The logo for LPS CONSULTING (PTY) LTD features the letters 'LPS' in a large, bold, orange sans-serif font. To the left of the 'L' is a stylized graphic of a city skyline with three buildings of varying heights, rendered in orange and blue. Below the skyline and the 'L' is a large blue gear. To the right of the 'PS' and the gear, the word 'CONSULTING' is written in a smaller, bold, black sans-serif font. Below 'CONSULTING' is '(PTY) LTD' in an even smaller, black sans-serif font.

SCALE	AS SHOWN	DRAWING NUMBER LIH201902/C/004	REV 03
DATE	DECEMBER 2020		
DESIGNED:	L.S.M		
DRAWN:	V.N		
CHECKED:	L.S.M		
SIGN:	DATE:		



REVISIONS			
REV	BY	DATE	DESCRIPTION
0	V.N	06.2020	FOR CONSTRUCTION
01	V.N	07.2022	FOR CONSTRUCTION

CLIENT:



NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

PROJECT:

NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

TITLE:

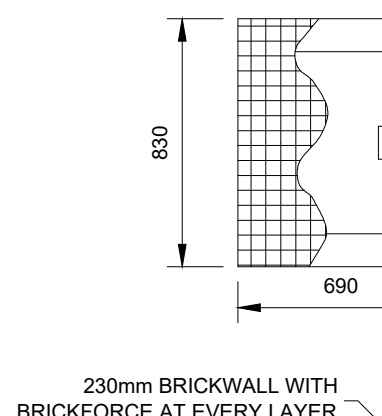
GENERAL CIVIL SERVICES LAYOUT

LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070



SCALE	AS SHOWN
DATE	DECEMBER 2020
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DRAWN:	V.N
CHECKED:	L.S.M
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DRAWING NUMBER	REV
LIH201902/C/005	01



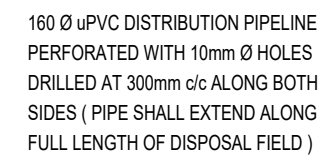
SCALE 1:25



SCALE 1:50



SCALE 1:25



SCALE 1:25

CLIENT:


Nkomazi Municipality

NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

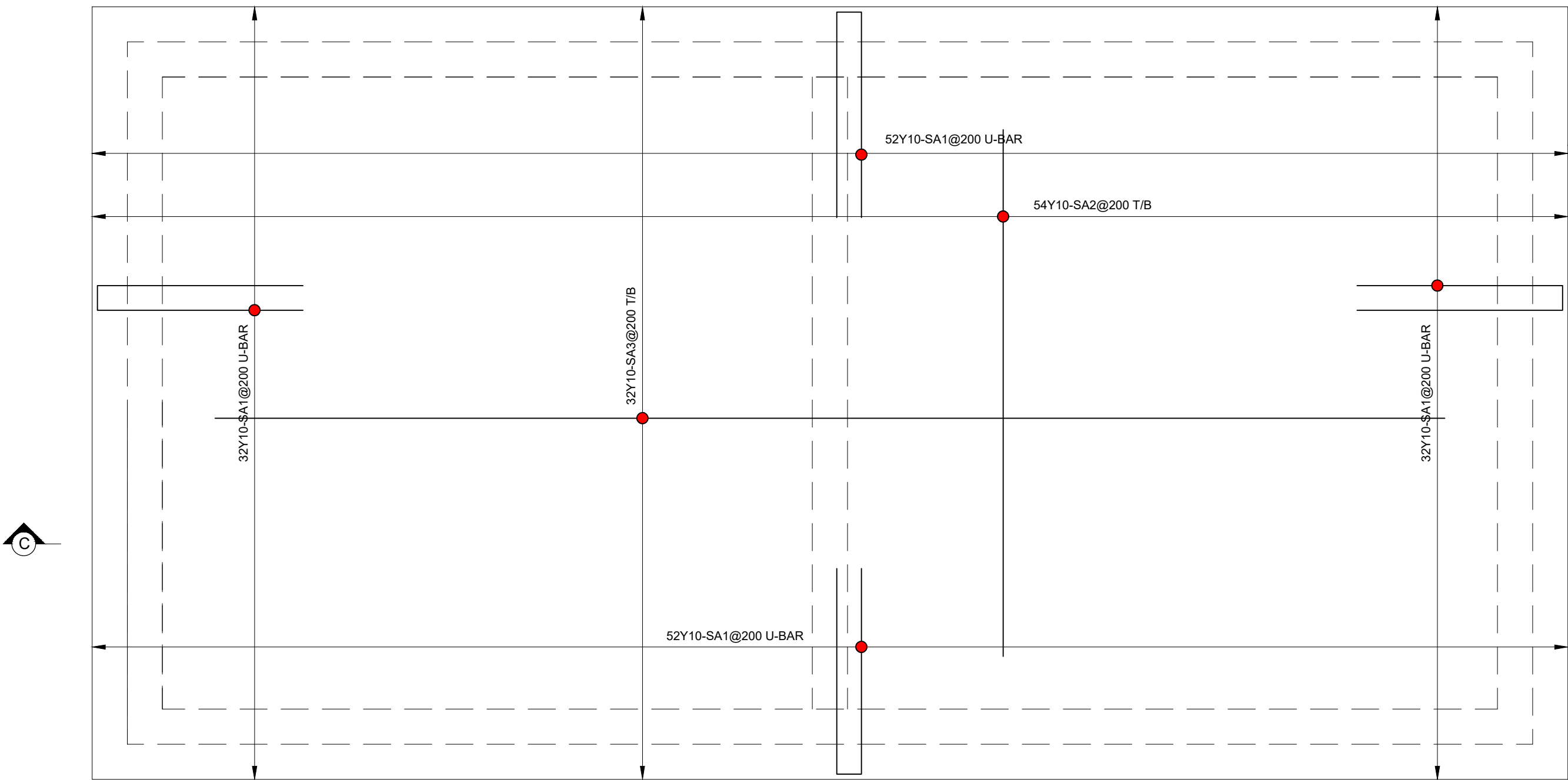
PROJECT:	NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL
TITLE:	SEPTIC TANK LAYOUT & SECTION SHEET 1 OF 2

LPS CONSULTING (Ltd) Ltd
Unit No.45,0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070

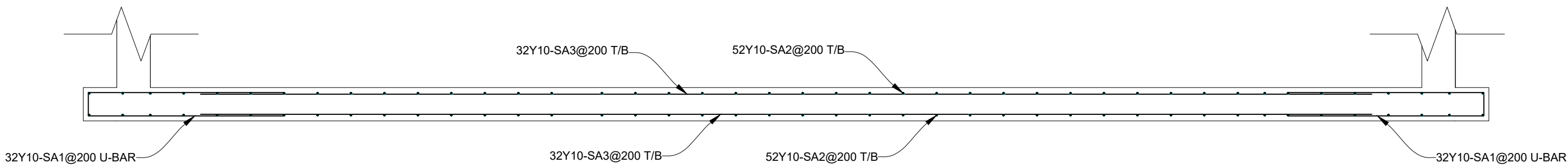
The logo for LPS CONSULTING (PTY) LTD features the letters 'LPS' in a large, bold, orange sans-serif font. To the left of the 'L' is a stylized orange graphic of a city skyline with three buildings of varying heights. Below the 'LPS' and the skyline graphic is a large blue gear. To the right of the gear, the word 'CONSULTING' is written in a smaller, bold, black sans-serif font, and below it, '(PTY) LTD' is written in an even smaller, black sans-serif font.

SCALE	AS SHOWN	DRAWING NUMBER LIH201902/C/008	REV 01
DATE	JANUARY 2022		
DESIGNED:	L.S.M		
DRAWN:	V.N		
CHECKED:	L.S.M		
SIGN:	DATE:		

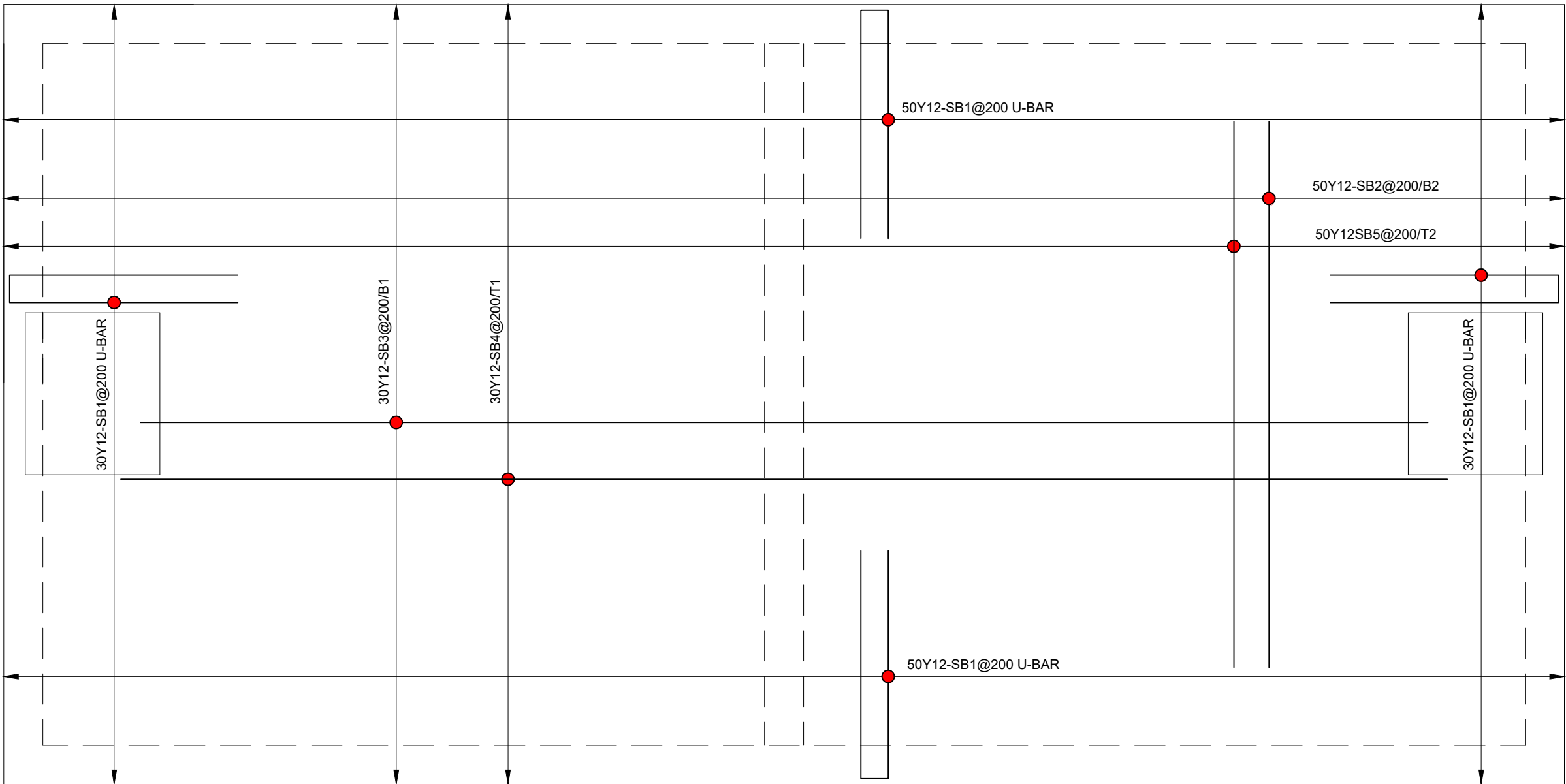
BENDING SCHEDULE													
MEMBER	NO.	BARS PER MEMB	DIA	LENGTH	TOTAL NO.	MARK	CODE	BENDING					
								A	B	C	D	E	E/ R
SLAB A	01	168	Y10	2490	168	SA1	38	1170	150	1170			
		108	Y10	5000	108	SA2	20	5000					
		64	Y10	9000	64	SA3	20	9000					
SLAB B	01	160	Y12	4490	160	SB1	38	2170	150	2170			
		50	Y12	2800	50	SB2	20	2800					
		30	Y12	8800	30	SB3	20	8800					
		30	Y12	8800	30	SB4	20	8800					
		50	Y12	2800	50	SB5	20	2800					
		76	Y10	1200	76	ST01	83	300	150	300	300		STOOLS



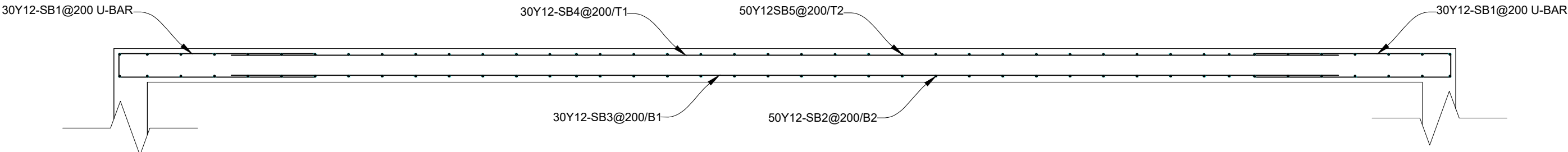
PLAN VIEW : SLAB A
(1 OFF)
SCALE 1:25



SECTION C - C : SLAB A
REINFORCING
SCALE 1:25



PLAN VIEW : SLAB B
(1 OFF)
SCALE 1:25



SECTION B - B : SLAB B
REINFORCING
SCALE 1:25

REV	BY	DATE	REVISIONS DESCRIPTION
0	V.N	01-2022	FOR CONSTRUCTION
1	V.N	07-2022	FOR CONSTRUCTION

CLIENT:



NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

PROJECT:

NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

TITLE:

SEPTIC TANK REINFORCING
SHEET 2 OF 2

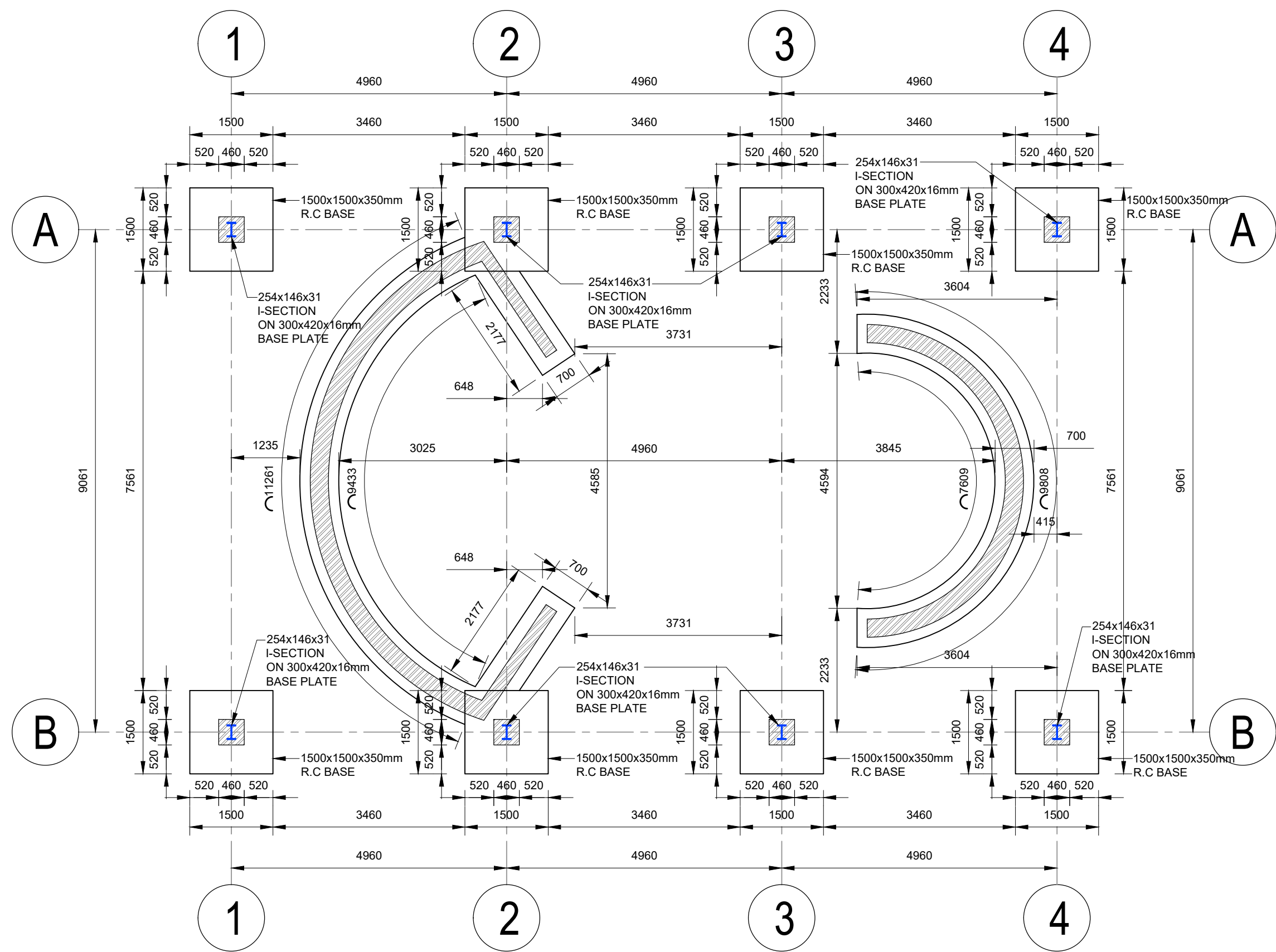
LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070



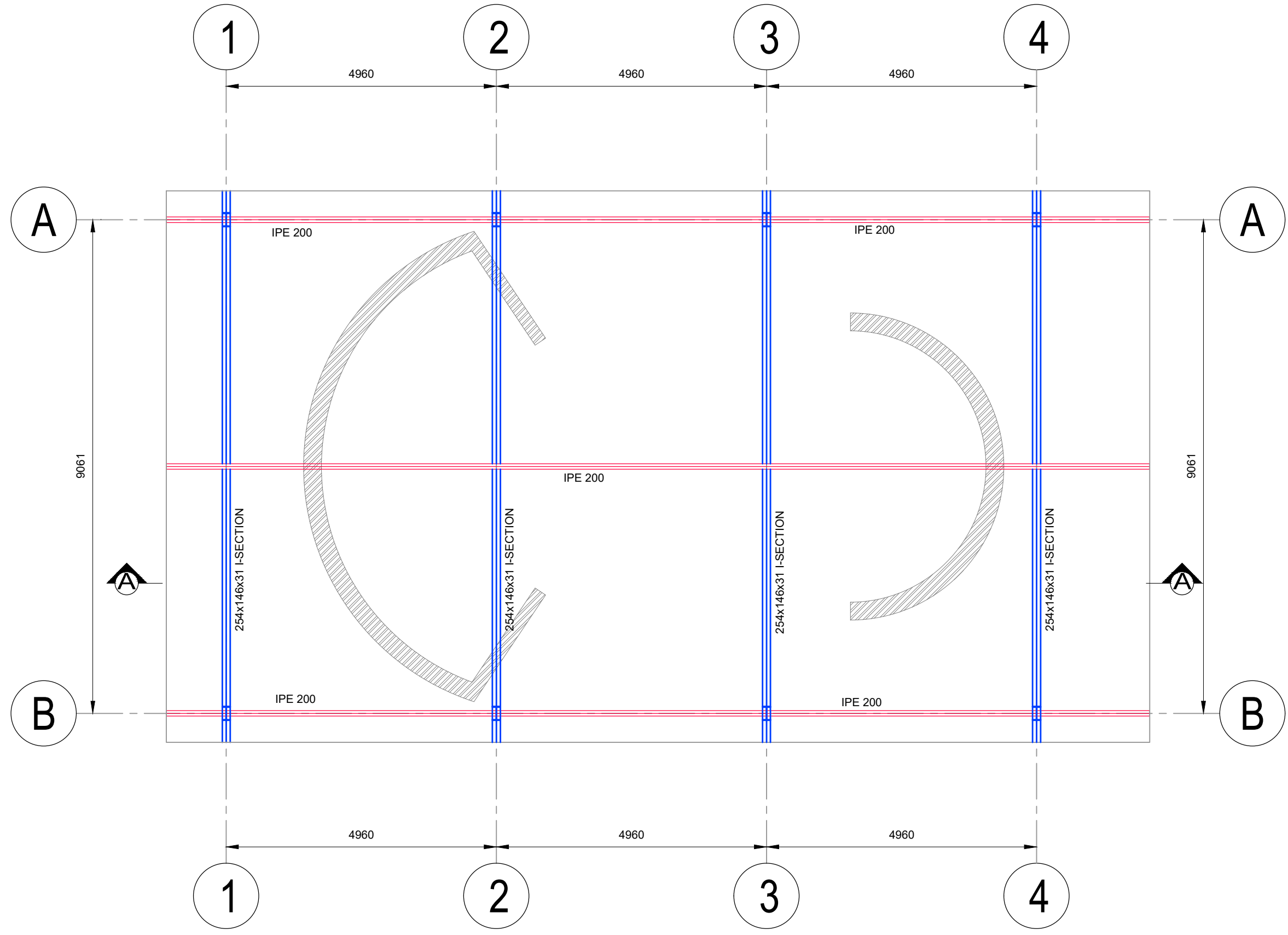
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DATE	JANUARY 2022
DESIGNED:	L.S.M
DRAWN:	V.N
CHECKED:	L.S.M
SIGN:	DATE:

DRAWING NUMBER
LIH201902/C/009

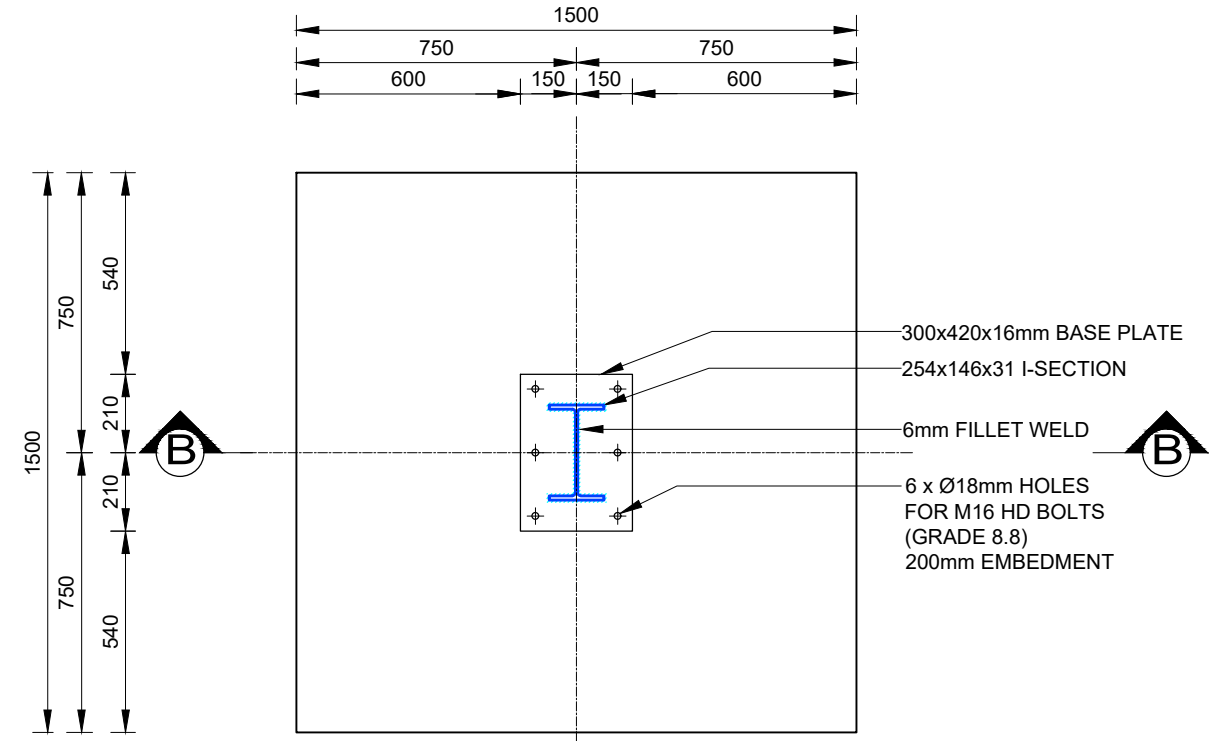
REV
01



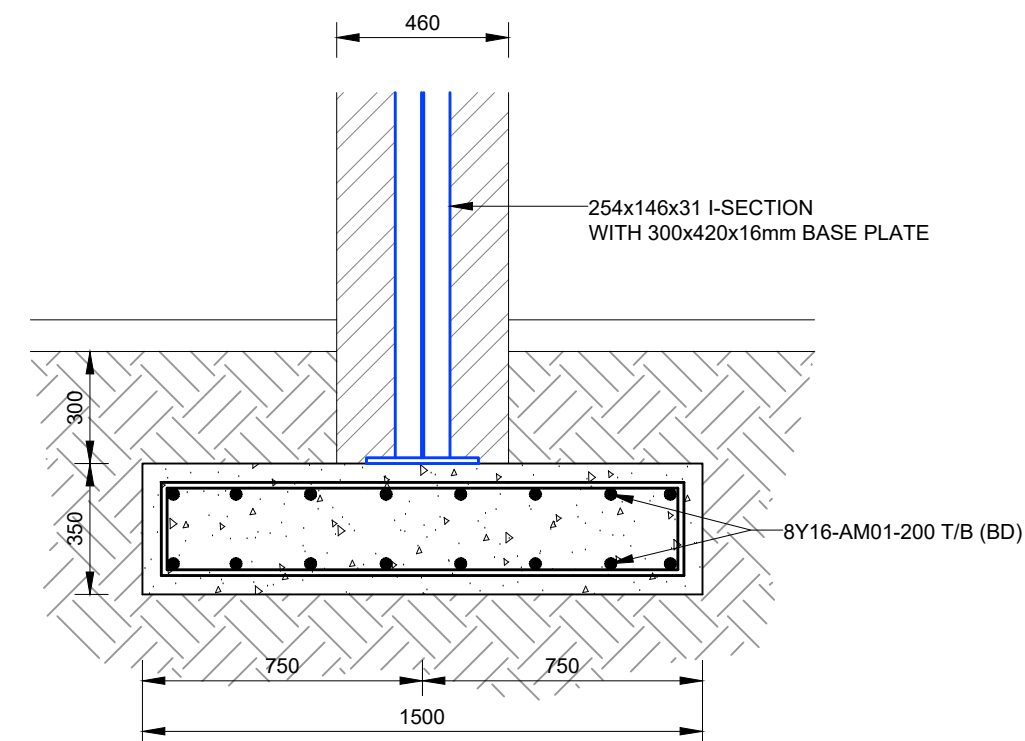
FOUNDATION LAYOUT
SCALE 1:75



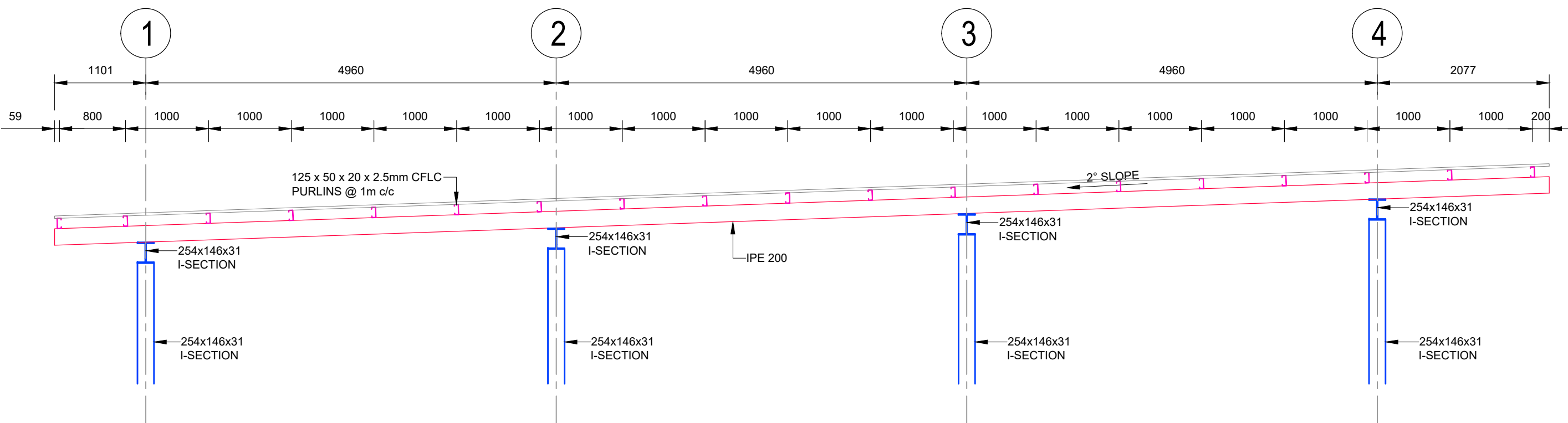
ROOF LAYOUT
SCALE 1:75



BASE PLATE DETAIL OF
254x146x31kg/m I-SECTION
SCALE 1:20

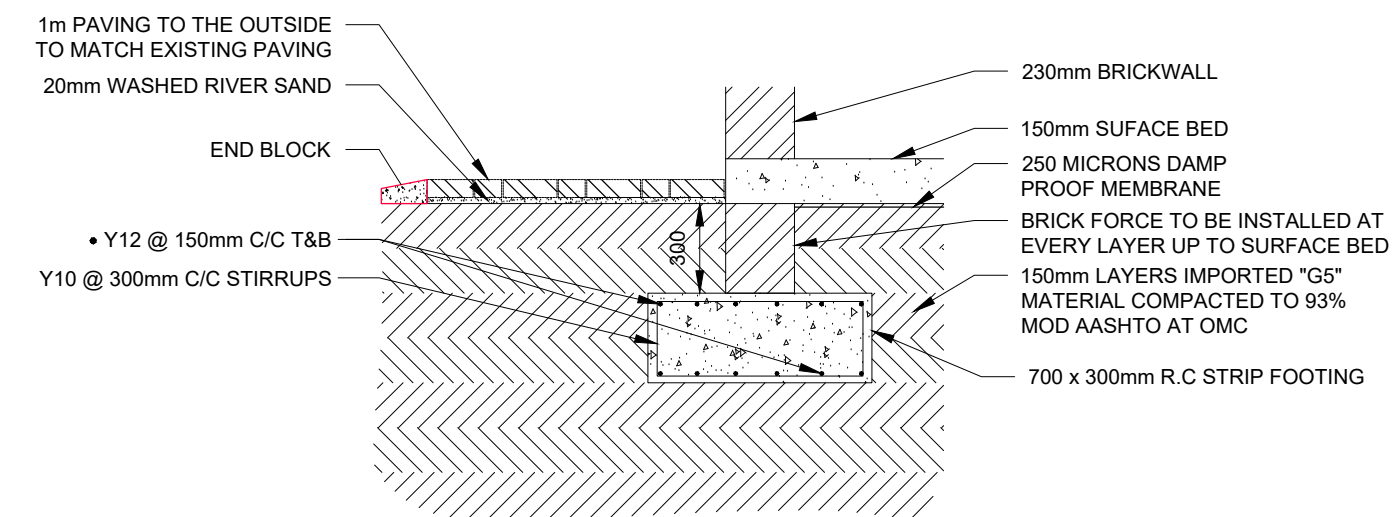


SECTION B-B
SCALE 1:20



SECTION A-A
SCALE 1:50

BENDING SCHEDULE													
MEMBER	NO.	BARS PER MEMB	DIA	LENGTH	TOTAL NO.	MARK	CODE	BENDING					
								A	B	C	D	E	E/R
1500x1500x350mm COLUMN BASES REINFORCING	08	32	Y16	1900	256	AM01	38	250	1400	250			



STRIP FOUNDATION FOR
230mm BRICKWALL
SCALE 1:25

REVISIONS				CLIENT:
REV	BY	DATE	DESCRIPTION	
0	V.N	09.2020	FOR CONSTRUCTION	 NKOMAZI LOCAL MUNICIPALITY Private Bag X101 Malelane 1320

CLIENT:


The logo of Nkomazi Municipality features a central shield divided into four quadrants: top-left is yellow, top-right is green, bottom-left is red, and bottom-right is blue. The shield is encircled by a green wreath. Below the shield is a black banner with the word 'KOMAZI' in white capital letters. Underneath the banner, the words 'Nkomazi Municipality' are written in a stylized, cursive script.

Nkomazi Municipality

NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane
1320

PROJECT:	NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL
TITLE:	AMPHITHEATER DETAILS

PROJECT:		TITLE:
NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL		
AMPHITHEATER DETAILS		

SCALE	AS SHOWN
DATE	SEPTEMBER 2022
DESIGNED:	L.S.M
DRAWN:	V.N
CHECKED:	L.S.M
SIGN:	DATE:

DRAWING NUMBER	REV
LIH201902/C/010	01



LPS CONSULTING (Ltd) Ltd
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12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070



REVISIONS			
REV	BY	DATE	DESCRIPTION
01	V N	12/09/2022	FOR CONSTRUCTION

CLIENT:



NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane 1320

PROJECT:

NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

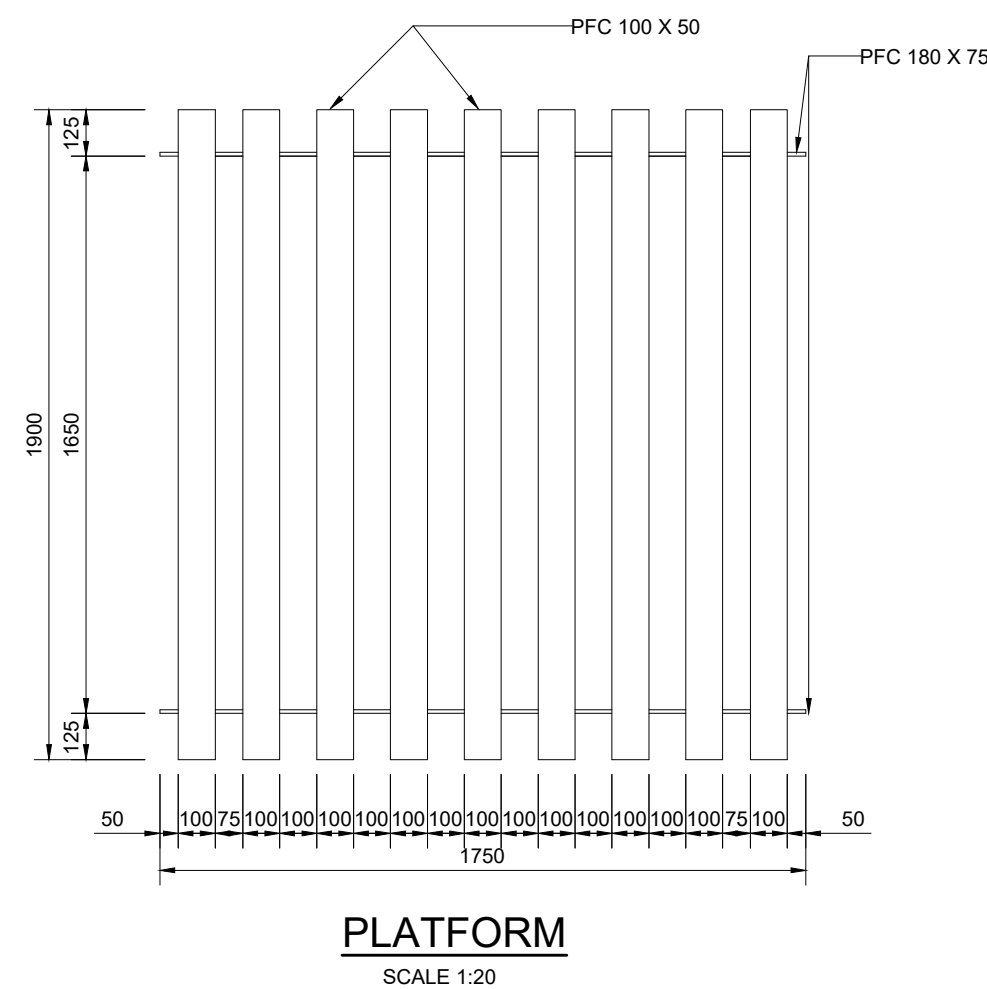
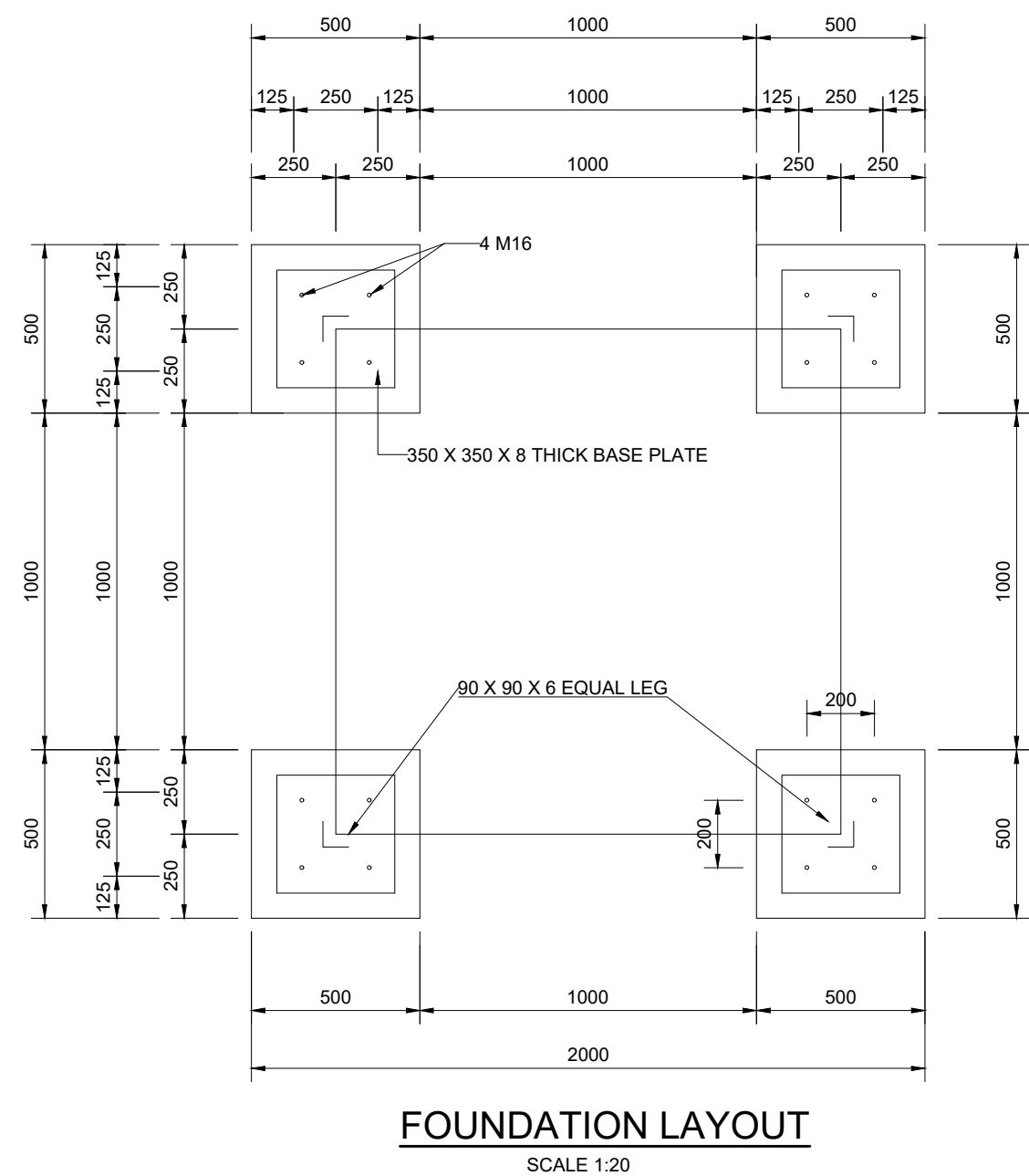
TITLE:

SITE BOUNDARY

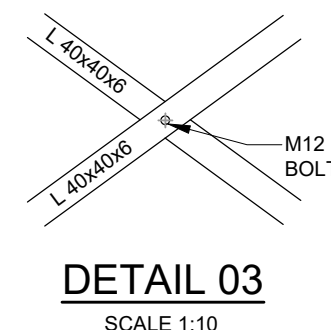
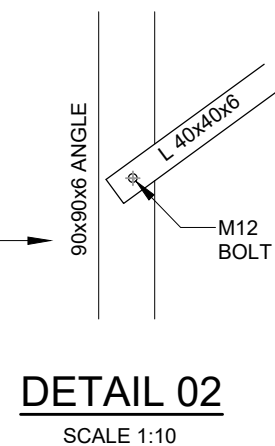
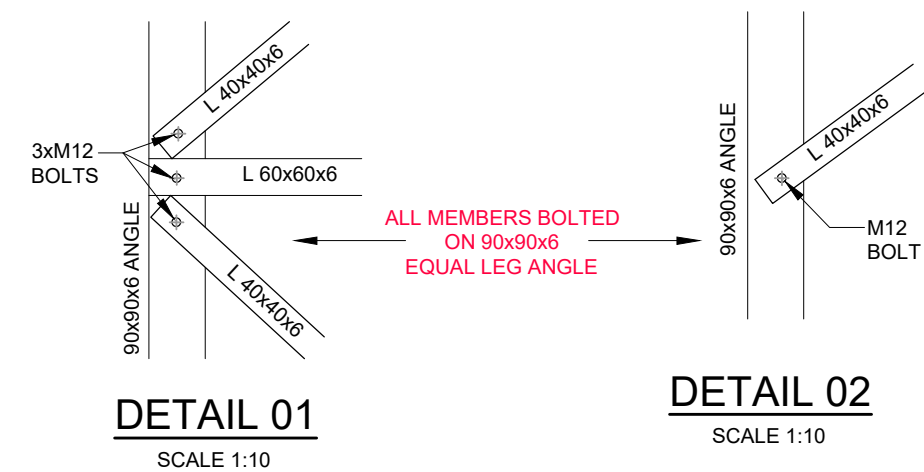
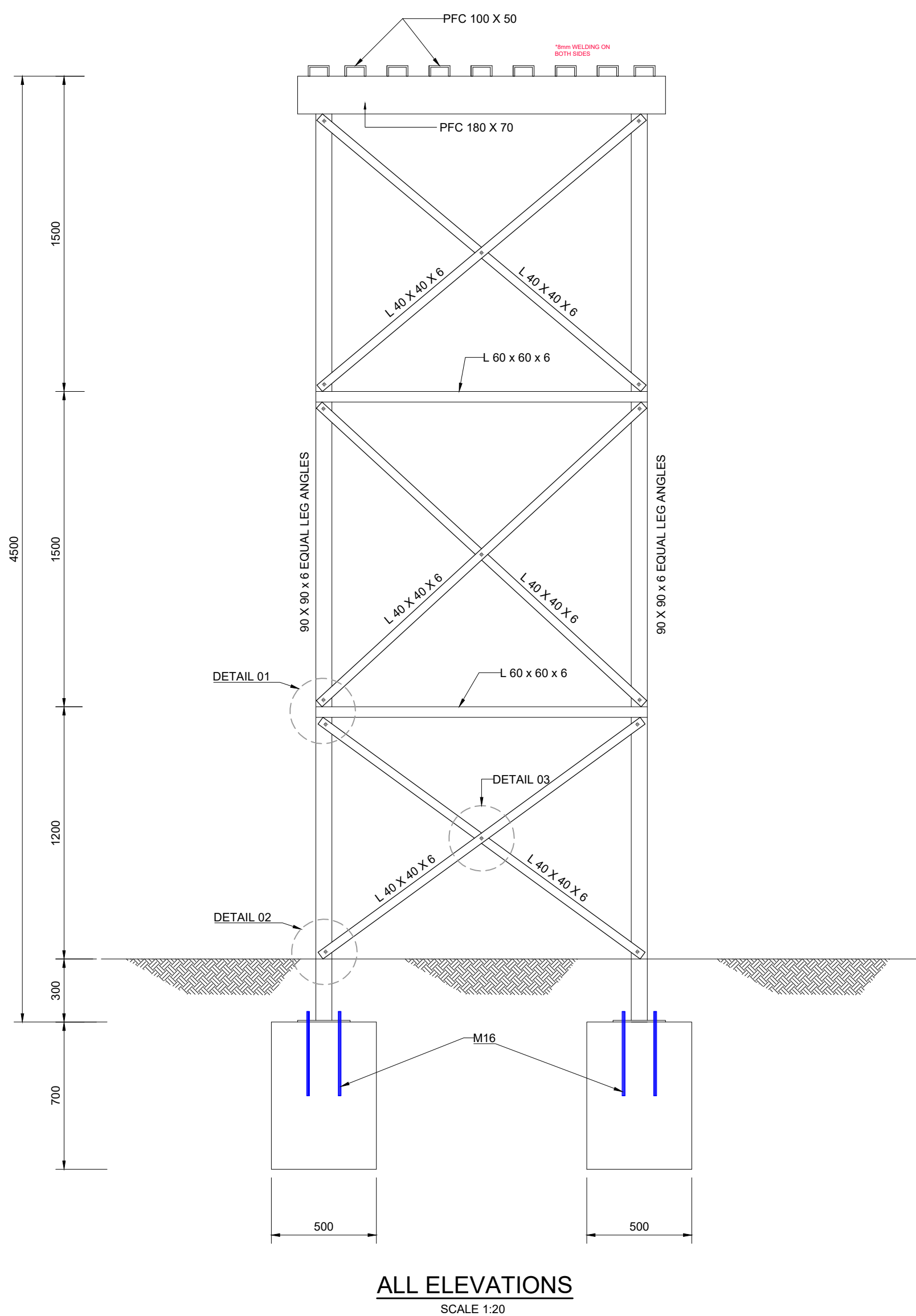
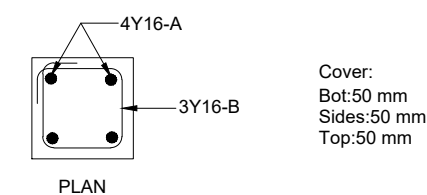
LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070



SCALE	AS SHOWN	DRAWING NUMBER LIH-2019-02-C-011
DATE	SEPTEMBER	
DESIGNED:	LSM	
DRAWN:	VMN	PROJECT NUMBER LIH-201902
CHECKED:	TSN	
SIGN:	DATE:	

**BENDING SCHEDULE**

NO OF	BARS	DIA	LENGTH	TOTAL	MARK	SC	A	B	C	D	E/R
4	04	Y16	600	16	A	20	600				
	03	Y16	1840	12	B	60	400	400			

**STRUCTURES**

Rev	Description	Date	By
01	CONNECTION DETAILS	04/01/2023	VMN

AMENDMENTS

DESIGNED	MPL
DRAWN	VMN
CHECKED	LSM
APPROVED	

CLIENT

NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane 1320

ENGINEERING CONSULTANT

LPS CONSULTING (Pty) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070

PROJECT

**NEW CONSTRUCTION OF
DRIEKOPPIES COMMUNITY HALL**

TITLE

ELEVATED WATER TANK

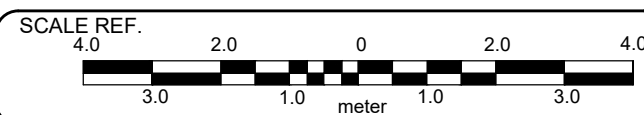
DATE **MAY 2023**

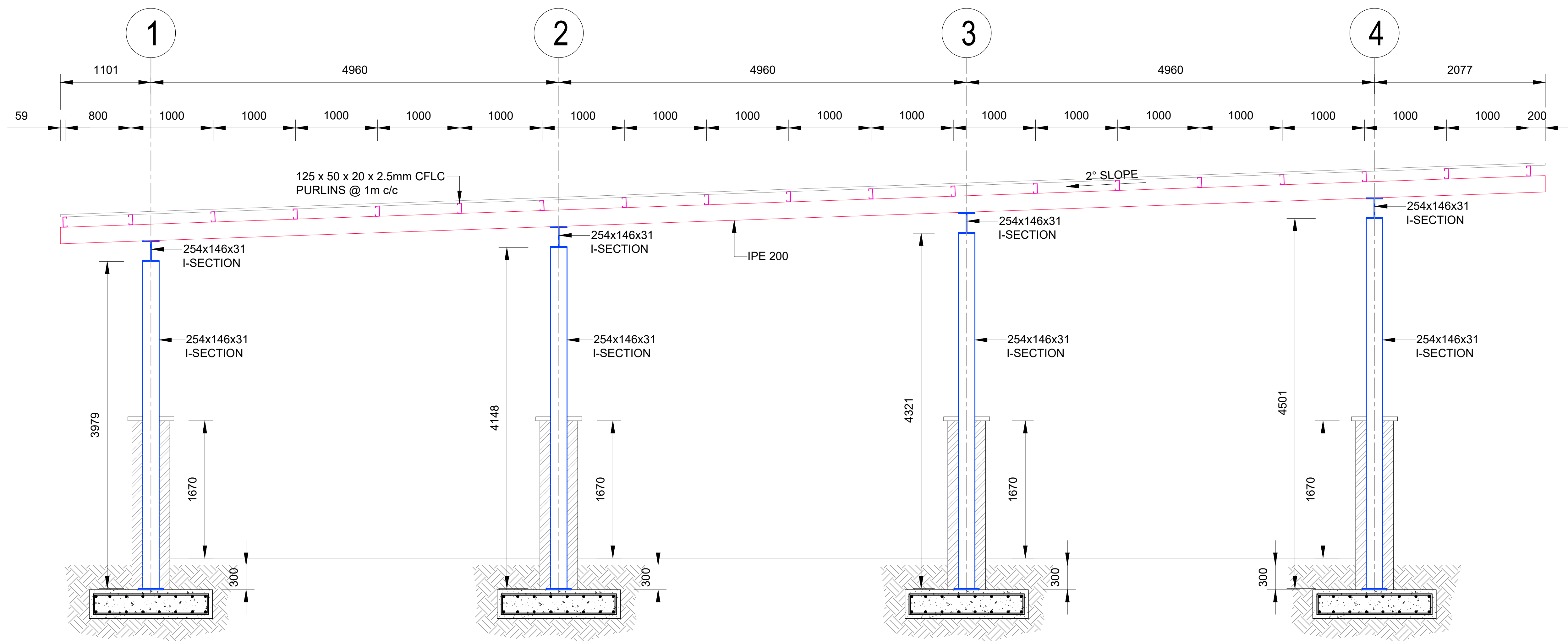
SCALE **AS SHOWN**

CLIENT DWG. NO.

CONSULTANT DWG. NO.

LIH-2019-02-C-012





COLUMN HEIGHTS SECTION

STRUCTURES

Rev	Description	Date	By
01	CONNECTION DETAILS	04/01/2023	VMN

DESIGNED	MPL
DRAWN	VMN
CHECKED	LSM
APPROVED	

CLIENT



NKOMAZI LOCAL MUNICIPALITY
Private Bag X101
Malelane 1320

ENGINEERING CONSULTANT



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Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070

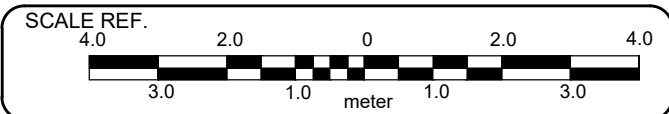
NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

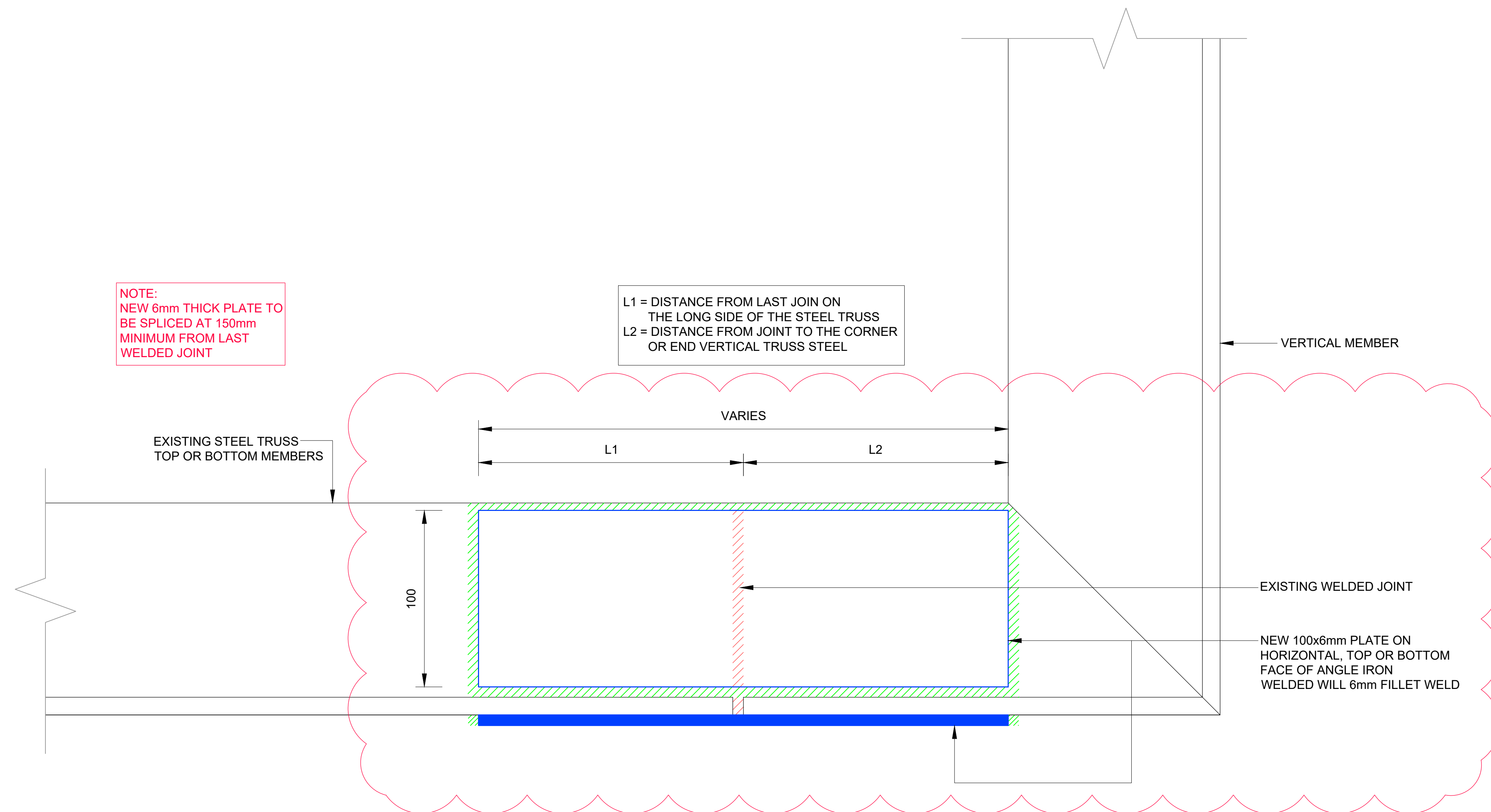
AMPHITHEATER COLUMNS HEIGHTS

DATE	MAY 2023
SCALE	AS SHOWN

CLIENT DWG. NO.

CONSULTANT DWG. NO. LIH-2019-02-C-013





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SERVICE
STRUCTURES

Rev.	Description	Date	By
01	SPLICING DETAIL REVISED	12/05/2023	VMN

DESIGNED	MPL
DRAWN	VMN
CHECKED	LSM
APPROVED	

CLIENT

NKOMAZI LOCAL MUNICIPALITY
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ENGINEERING CONSULTANT

LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070

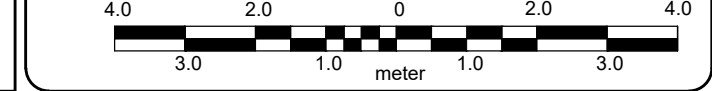
PROJECT
NEW CONSTRUCTION OF
DRIEKOPPIES COMMUNITY HALL

TITLE
ROOF TRUSSES SPLICING DETAIL

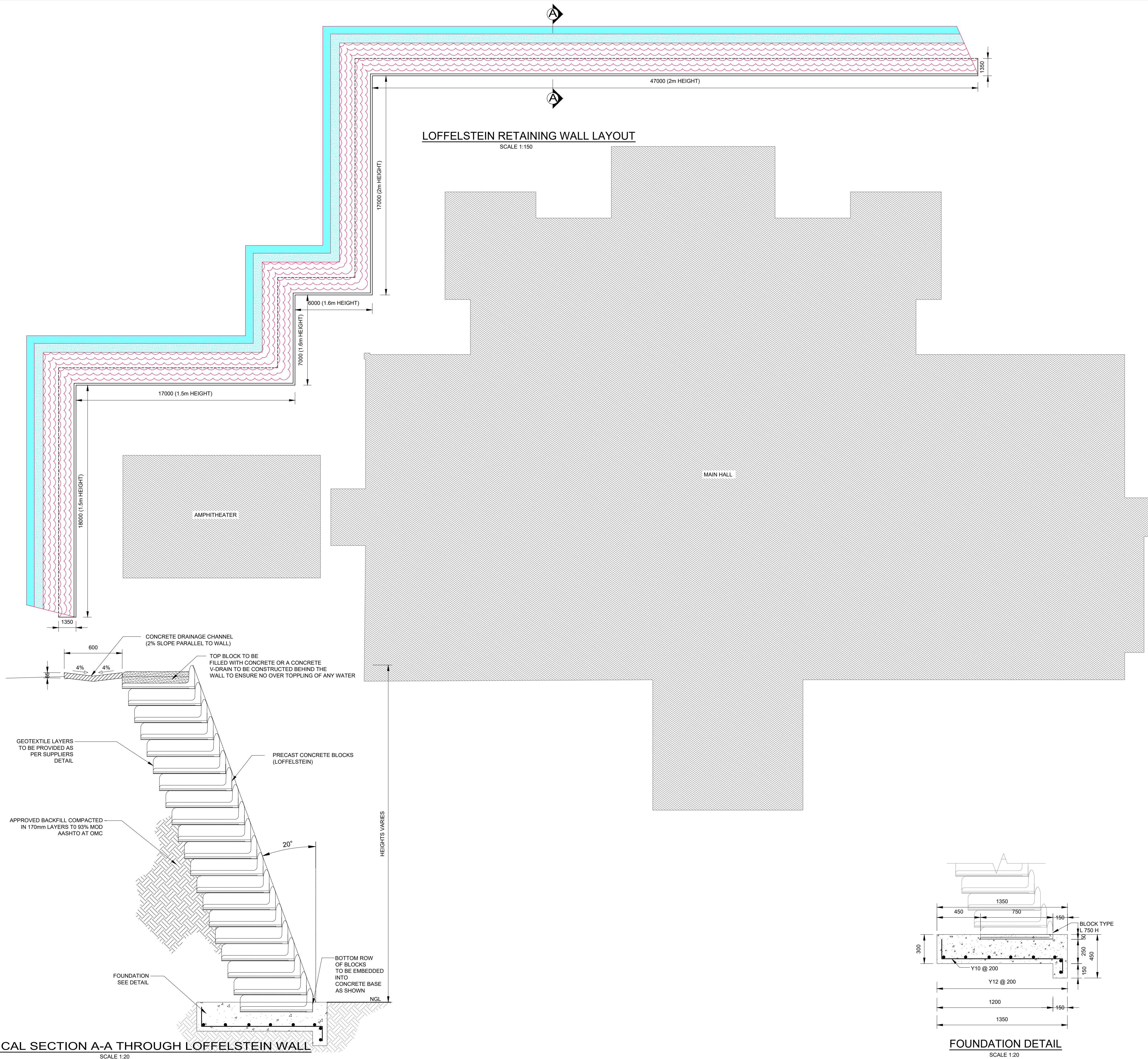
DATE
MAY 2023
SCALE
AS SHOWN

CLIENT DWG. NO.

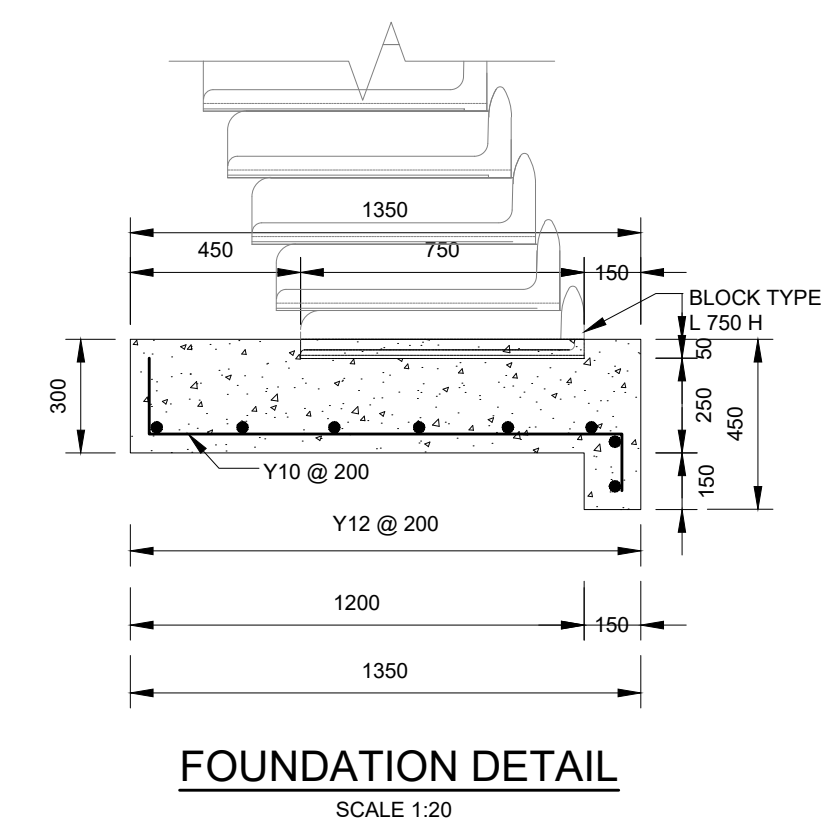
CONSULTANT DWG. NO.
LIH-2019-02-C-014R1



LOFFELSTEIN RETAINING WALL LAYOUT
SCALE 1:150



TYPICAL SECTION A-A THROUGH LOFFELSTEIN WALL
SCALE 1:20



FOUNDATION DETAIL
SCALE 1:20

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SERVICE

STRUCTURES

Rev.	Description	Date	By

AMENDMENTS

DESIGNED	MPL
DRAWN	VMN
CHECKED	LSM
APPROVED	

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Private Bag X101
Malelane 1320

ENGINEERING CONSULTANT



LPS CONSULTING (Ltd) Ltd
Unit No.45.0.2
Central Park
12 Suikerriet Street Nelspruit 1201
TEL: 013 744 6070

PROJECT

NEW CONSTRUCTION OF
DRIEKOPPIES COMMUNITY HALL

TITLE

LOFFELSTEIN LAYOUT AND SECTION

DATE

MAY 2023

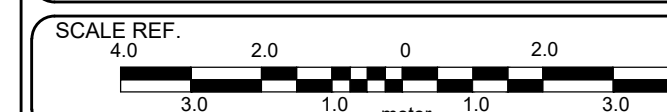
SCALE

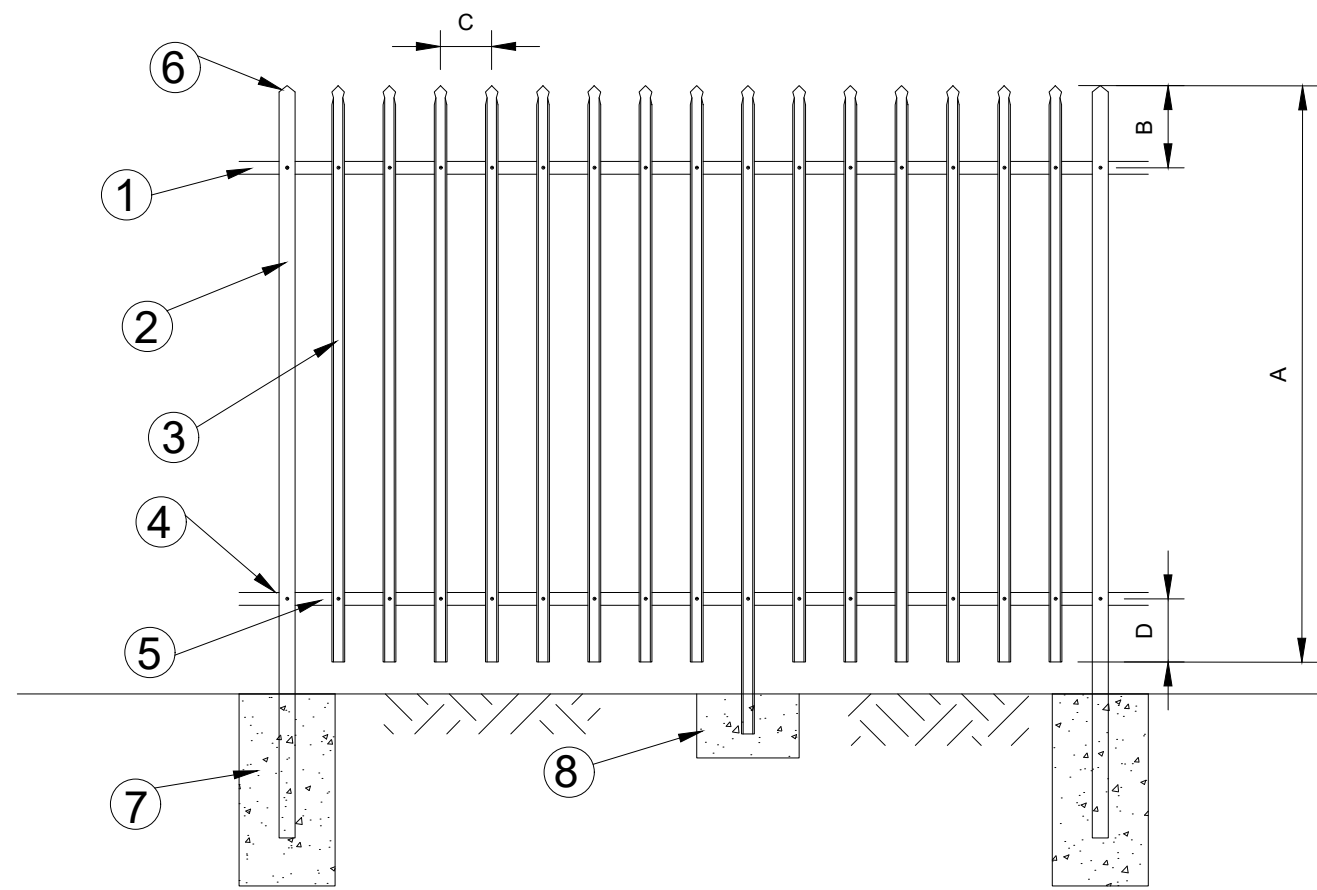
AS SHOWN

CLIENT DWG. NO.

CONSULTANT DWG. NO.

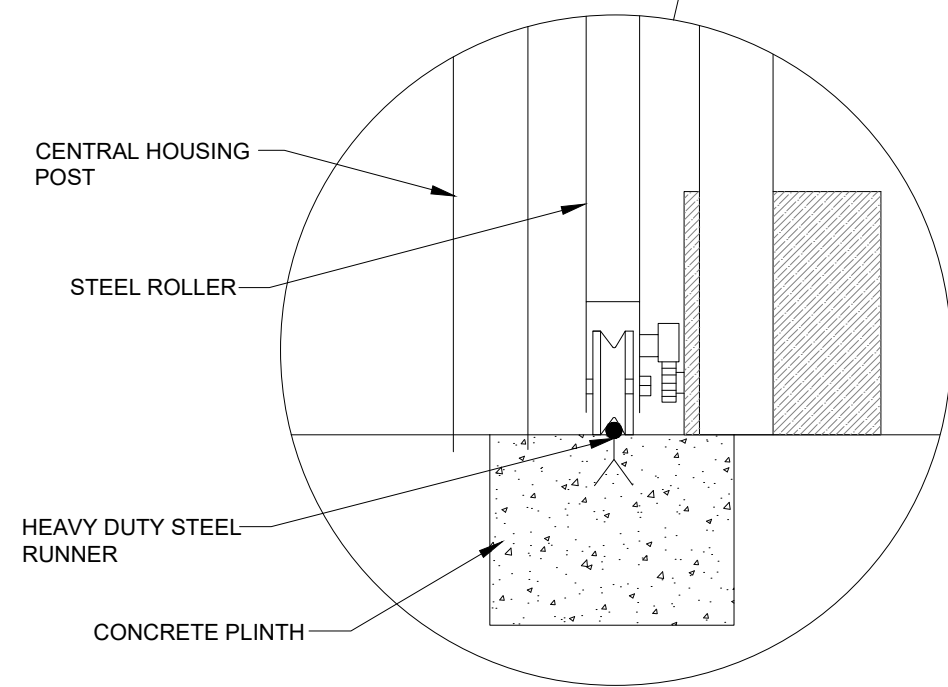
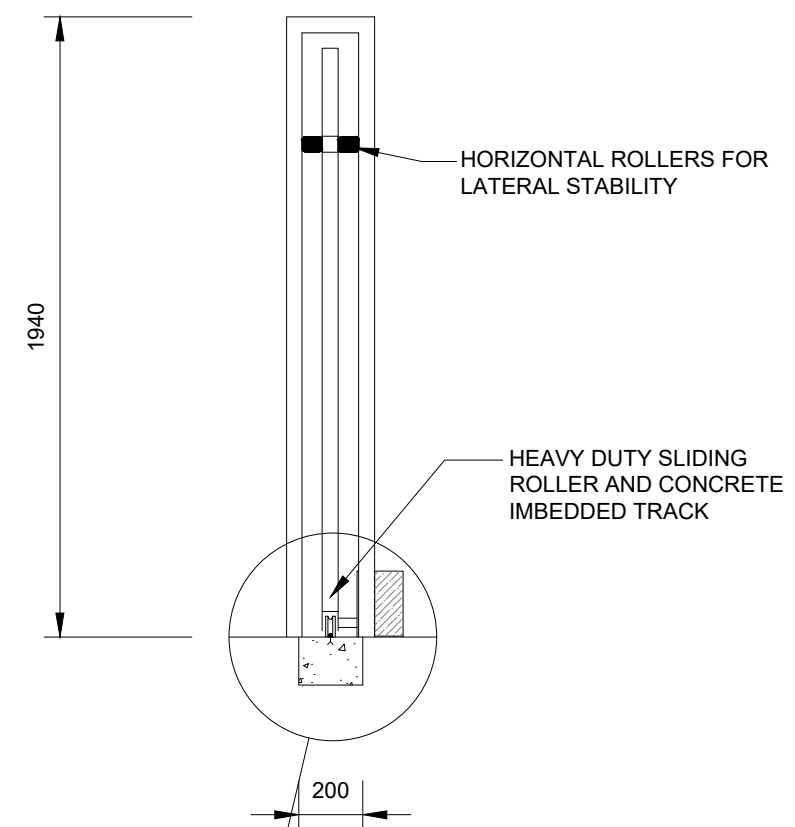
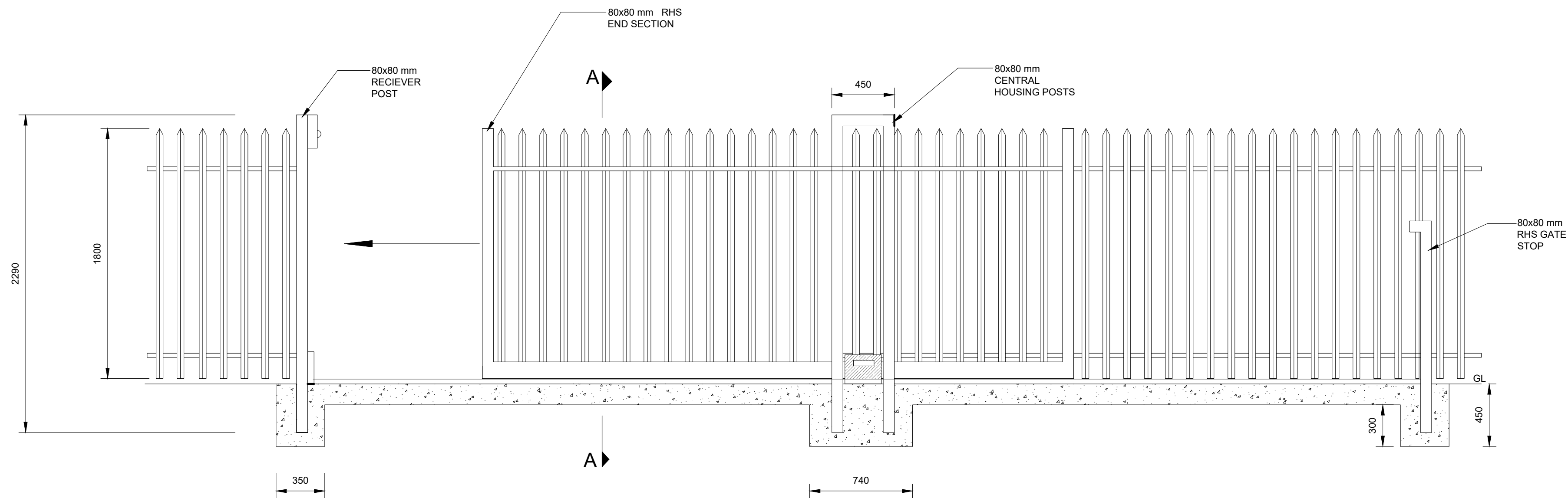
LIH-2019-02-C-015





TYPICAL STEEL PALISADE FENCING DETAIL

- NOTE:
1. 40x40x2mm ANGLE IRON RAILS
 2. 76x76x1.6mm SQUARE TUBING
 3. 50x2mm ROLLFORMED PALES
 4. 40x50x5mm WELDED LUGS
 5. 40mm PALE BOLTED TO RAILS WITH M8 CUP SQUARE BOLT & ANTI VANDAL NUT.
 6. STEEL CAP WELDED TO POST
 7. 300x300x600mm DEEP 15 MPa CONCRETE
 8. 300x300x300mm DEEP 15 MPa CONCRETE
- A. 1800mm HEIGHT
 B. 257mm TO CENTRE OF RAIL
 C. 160mm CENTRE TO CENTRE
 D. 197mm TO CENTRE OF RAIL



REVISIONS			
REV	BY	DATE	DESCRIPTION
0	V.N	11.2021	FOR CONSTRUCTION

CLIENT:



NKOMAZI LOCAL MUNICIPALITY
 Private Bag X101
 Malelane
 1320

PROJECT:

NEW CONSTRUCTION OF DRIEKOPPIES COMMUNITY HALL

TITLE:

TYPICAL FENCE AND GATE DETAILS

LPS CONSULTING (Ltd) Ltd
 Unit No 45.0.2
 Central Park
 12 Suikerriet Street Nelspruit 1201
 TEL: 013 744 6070



SCALE	AS SHOWN
DATE	NOVEMBER 2021
DESIGNED:	L.S.M
DRAWN:	V.N
CHECKED:	L.S.M
SIGN:	DATE:

DRAWING NUMBER
 LIH201902/C/007

REV
 00