




DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY

**CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA
MUNICIPALITY EMERGENCY SERVICES CENTRE
CONTRACT No. PWBS-: B003/21/22**

**CIDB CONTRACTOR GRADING
6 GB PE OR HIGHER**

 <p>COMPILED BY: FMA ENGINEERS (PTY) LTD 18 YORK ROAD GILLITTS 3610</p> <p>Tel N°: +27 31 764 2763 Fax N°: +27 86 542 4084 Email: admin@fmaengineers.co.za</p>	<p>ON BEHALF OF:</p>  <p>DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY P O BOX 62 CREIGHTON 3263</p> <p>Tel N°: +27 39 833 1038 Fax N°: +27 39 833 1179 Email: mngadis@ndz.gov.za</p>
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NO COMPULSORY SITE INSPECTION

There will be no Compulsory site inspection due to the current COVID 19 restrictions. Enquires must be in writing and directed to the following emails by no later than 19 April 2021 and responses will be made available on our website (www.ndz.gov.za) by no later than 23 April 2021.

NAME OF TENDERER	
ADDRESS OF TENDERER	
TELEPHONE	
FAX	
TENDER SUM	

TENDER CLOSING DATE: 12 MAY 2021 AT 12H00



EXPANDED PUBLIC WORKS PROGRAMME
Creating opportunities towards human fulfillment

**CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY
EMERGENCY SERVICES CENTRE**

CONTRACT PWBS-: B003/21/22

TABLE OF CONTENTS

PART	DESCRIPTION	PAGE COLOUR	PAGE No.
PART T: TENDER			
T1	Tendering Procedures	White	TP. 3
T1.1	Tender Notice and Invitation to Tender	White	TP. 3
T1.2	Tender Data	Pink	TP. 5
T2	Returnable Documents and Schedules	Yellow	RD. 2
T2.1	List of Returnable Documents	Yellow	RD. 2
T2.2	List of Returnable Schedules and Forms	Yellow	RD. 33
PART C: CONTRACT			
C1	Agreements and Contract Data	Yellow	C. 2
C1.1	Form Offer and Acceptance	Yellow	C. 2
C1.2	Contract Data	Yellow	C. 9
C1.3	Performance Guarantee	Yellow	C. 12
C1.4	Disclosure Statement	Yellow	C. 15
C1.5	Adjudication Board Member Agreement	Yellow	C. 16
C1.6	Retention Money Guarantee (PRO FORMA)	Yellow	C. 18
C1.7	Agreement in terms of section 37(2) of the Occupational Health and Safety Act No.85 of 1993	White	C. 20
C1.8	Waiver of Lien	White	C22
C2	Pricing data	Yellow	PD. 2
C2.1	Pricing Instructions	Yellow	PD. 2
C2.2	Schedule of Quantities	Yellow	PD. 5
C3	Scope of Work	Blue	SW. 2
C4	Site Information	Green	SI. 2
C5	Drawings	Green	D.1

THE TENDER

T1: TENDERING PROCEDURES

T2: RETURNABLE DOCUMENTS

TABLE OF CONTENTS

	PAGE NO.
T1: TENDERING PROCEDURES	TP. 3
T1.1: TENDER NOTICE AND INVITATION TO TENDER	TP. 3
T1.2: TENDER DATA	TP. 5

T1: TENDERING PROCEDURES

T1.1: TENDER NOTICE AND INVITATION TO TENDER

BID NOTICE

1. BID INVITATION

Bids are hereby invited from suitably qualified and experienced for **Construction of Dr Nkosazana Dlamini Zuma Municipality Emergency Services Centre** as indicated below within Dr Nkosazana Dlamini – Zuma Municipality (KZN 436). The adjudication of the bids will be done in terms of the Preferential Procurement Regulations, 2011 Pertaining to Preferential Procurement Policy Framework (Act No. 5 of 2000) and will be based on the 80/20 points system.

Preferential points will be awarded to Service Providers using their B-BBEE status level of contribution.

2. DOCUMENTS

Bid Documents will be made available at Creighton Offices; the cost of bid document will be **R437-00 per document** which is non-refundable from **14th April 2021** during office hours until **the closing dates specified on table at 10:00am**. Only cash or bank guaranteed cheques will be accepted, all cheques must be made out to Dr Nkosazana Dlamini.

PROJECT NAME	Contract No.	CIDB Grading	Closing Date and time
CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY EMERGENCY SERVICES CENTRE	PWBS-:B003/21/22	6GB and Higher	12 th May 2021

3. THE FOLLOWING ARE MANDATORY

- Valid tax clearance certificate or Tax Compliance Status PIN, Submit proof that the bidders and its directors are not owning municipal services who do not pay, Certified copy of a certificate of Company Registration with the Registrar of Companies and CC's (CK), Certified copy of B-BBEE certificate / Certified Affidavit, Certified copies of ID's, Form of offer, MDB 1, 4, 6,2, 8,9 and Annexure C, D,E fully completed, Registration with CSD and CIDB grading.

NB: The offers must remain valid for 90 days from the closing date for submission of bids

N.B: The stipulated minimum threshold for local production and content for these Bids is as following:

Industry/sector/sub-sector	Minimum threshold for local content
Reinforced steel bars	100%
Wire products	100%
Welded Mesh	100%
Bricks Reinforcement	100%
Roof sheeting	100%
Galvanized Steel Grid	100%
Galvanized Steel Braces	100%
Galvanized steel purlins and fittings	100%
Galvanized Brackets	100%
Galvanized Hoop Iron Cramps	100%
Stainless Steel Hinges	100%
Chromadek Roller	100%
Steel Ridge Claping	100%
Aluminium Window Frames	100%
Aluminium Door Frames	100%
PVC Pipes	100%
HDPE pipes class 12	100%
Gyser	70%
Office Furniture	85%

Only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.

4. ENQUIRIES

N.B: All enquiries must be in writing and be directed to the following emails by **no later than 19/04/2021** and responses will be made available on our website (www.ndz.gov.za) by **no later than the 23/04/2021**:

mngadis@ndz.gov.za

holiwen@ndz.gov.za

dlaminiz@ndz.gov.za

- Procedure related enquires: Miss N. Holiwe
- Technical Enquiries: Mr S.V Mngadi/ Mr Z. Dlamini

Dr Nkosazana Dlamini Zuma Municipality Tel No: (039) 833 1038

P O Box 62

Fax No.: (039) 833 1179

Creighton

3263

5. CLOSING DATE

The closing date for the bid is **12th May 2021 at 12h00**. Bids must be enclosed in **SEALED ENVELOPES** and addressed to the Municipal Manager, Dr Nkosazana Dlamini Zuma Municipality with **Contract Number** and **Project Name** information as reflected above clearly marked on the outside of each envelope.

Bids must be deposited in the Bid box at the offices of Dr Nkosazana Dlamini Zuma Municipality in Creighton before the closing date and time. Late tenders will **NOT** be considered.

NB: The offers must remain valid for 90 days from the closing date for submission of bids

Dr Nkosazana Dlamini Zuma Municipality does not bind itself to accept the lowest or any bid and reserves the right to accept the whole or any part of the Bid.


Mr N.C. Vezzi
MUNICIPAL MANAGER

RECEIVED 09 APR 2021

T1.2: TENDER DATA

T1.2.1 Standard Conditions of Tender

The conditions of tender are the Standard Conditions of Tender as contained in of Board Notice 136 of 2016 in Government Gazette No 38960 of 10 July 2016, Construction Industry Development Board (CIDB) Standard for Uniformity in Construction Procurement. (see www.cidb.org.za). Annexure F and Table G1 of that notice are deliberately not reproduced in this document; tenderers may review the standard on the CIDB website.

T1.2.2 Variations to the Standard Conditions of Tender

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall take precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

The following variations, amendments and additions to the Standard Conditions of Tender shall apply to this tender.

Please note that the word “Client” is used in this document and referred to as “Employer” in the Standard Conditions of Tender document.

Clause Number	Description
F.1	General
F.1.1	Actions
	The Employer is Dr Nkosazana Dlamini Zuma Local Municipality, represented by S. Mngadi
F.1.2	Tender Documents
	<p>The tender documents issued by the employer comprise the following:</p> <p>VOLUME 1: TENDERING PROCEDURES</p> <p>Part T1: Tendering procedures T1.1 Tender Notice and Invitation to Tender T1.2 Tender Data</p> <p>VOLUME 2: RETURNABLE DOCUMENTS</p> <p>Part T2: Returnable documents T2.1 List of Returnable Documents T2.2 Returnable Schedules</p> <p>THE TENDER</p> <p>Part 1: Tendering Procedures T1.1 to T1.3</p> <p>Part 2: Returnable Documents T2.1: to T2.2</p> <p>VOLUME 3: CONTRACT</p> <p>Part C1: Agreement and Contract Data</p>

	<p>C1.1 Form of Offer and Acceptance C1.2 Contract Data C1.2.1 Conditions of Contract C1.2.2 Part A & B (EC & CE) C1.3 Form of Construction Guarantee C1.4 Agreement in terms of Section 37(2) of the Occupational White Health and Safety Act No. 85 of 1993 C1.5 Waiver of Lien Part C2: Pricing Data C2.1 Pricing Instructions C2.2 Bills of Quantities / Schedule of Quantities Part C3: Scope of Work C3.1 Standard Specifications (Introduction & Background) Part C4: Site Information C4.1 Site Information C4.2 Drawings</p>												
F.1.4	Communication and the Employer's Agent												
	<p>Attention is drawn to the fact that verbal information, given by the Employer's Agent during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the Employer. Only information issued formally by the Employers Agent in writing to tenderers will be regarded as amending the Tender Documents.</p>												
	<table> <tr> <td>The Employer's Agent is:</td> <td>FMA ENGINEERS (PTY) LTD</td> </tr> <tr> <td>Address:</td> <td>18 York Road GILLITTS 3610</td> </tr> <tr> <td>Tel N^o:</td> <td>+27 (31) 764 2763</td> </tr> <tr> <td>Fax N^o:</td> <td>+27 (86) 542 4084</td> </tr> <tr> <td>Contact Person</td> <td>Hlosokuhle Fuyana</td> </tr> <tr> <td>Email:</td> <td>admin@fmaengineers.co.za</td> </tr> </table>	The Employer's Agent is:	FMA ENGINEERS (PTY) LTD	Address:	18 York Road GILLITTS 3610	Tel N ^o :	+27 (31) 764 2763	Fax N ^o :	+27 (86) 542 4084	Contact Person	Hlosokuhle Fuyana	Email:	admin@fmaengineers.co.za
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Fax N ^o :	+27 (86) 542 4084												
Contact Person	Hlosokuhle Fuyana												
Email:	admin@fmaengineers.co.za												
F.1.5	The employer's right to accept or reject any tender offer												
F.1.5.1	<p>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 reasons for such action upon written request to do so.</p>												
F.1.6	Procurement procedures												
F.1.6.1	<p>Unless otherwise stated in the tender data, a contract will, subject 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 submissions that are received at the closing time for tenders.</p>												
F.2	Tenderer's Obligations												
F.2.1	Eligibility												
F.2.1.1	<p>A. Construction Industry Development Board (CIDB) Registration</p> <ol style="list-style-type: none"> 1. Only those tenderers who are registered (as "Active") with the CIDB (at time of tender closing), in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with 												

Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, but not less than 4GB class of construction work, are eligible to submit a tender offer.

B. Joint Ventures are eligible to submit a tender offer provided that:

1. Every member of the joint venture is registered (as “Active”) with the CIDB (at the time of tender closing)
2. The lead partner has a contractor grading designation in the GB class of construction work and has a grading designation of not lower than one level below the required grading designation;
3. The value of work to be undertaken by each partner must be within their CIDB grading limit.
4. The combined contractor grading designation calculated in accordance with the Construction Industry Development Board Regulations (2016) is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a GB class of construction work or a value determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations:

Designation	Deemed to satisfy joint venture arrangements
3	Three contractors registered in contractor grading designation 2
4	Three contractors registered in contractor grading designation 3
5	Two contractors registered in contractor grading designation 4 One contractor registered in contractor grading designation 4 and two registered in contractor grading designation 3
6	Two contractors registered in contractor grading designation 5 One contractor registered in contractor grading designation 5 and two registered in contractor grading designation 4
7	Two contractors registered in contractor grading designation 6 One contractor registered in contractor grading designation 6 and two registered in contractor grading designation 5
8	Three contractors registered in contractor grading designation 7
9	Three contractors registered in contractor grading designation 8

5. Tenders submitted by joint ventures of two or more firms must be accompanied by the document of formation of the joint venture, authenticated by a notary public or other official deputed to witness sworn statements, in which is defines precisely the conditions under which the joint venture will function, its period of duration, the persons authorised to represent and obligate it, the participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning.
6. The Tenderer, if a Joint Venture, must submit a signed JV Agreement with the tender specific to the tendered Contract and showing clearly the percentage contribution of each partner to the Joint Venture. The value of work to be undertaken by each partner must be within their CIDB grading limit.

C. National Treasury Central Supplier Database Registration

Only Tenderers who are to be registered on the National Treasury Central Supplier (CSD) Database and have provided proof of their registration will be eligible to submit a tender offer. Proof of registration must be in the form of the Tenderers CSD registration number. Tenderers who are not registered are not precluded from submitting bids, but must be registered prior to Contract Award.

In the case of Joint Venture partnerships this requirement will apply individually to each party to the Joint Venture.

Tenderers who wish to register as service providers on the CSD can register online at <https://secure.csd.gov.za/Account/Register>.

D. Attendance of Compulsory Site Briefing

	<p>There will be NO Site Briefing meeting. This is in line with the MFMA Circular No.102 of the Municipal Finance Management Act No. 56 of 2003 – Emergency Procurement in Response to National State of Disaster.</p> <p>E. Time for Completion of the Contract</p> <p>The time for completion of the contract is stated in the Contract Data.</p> <p>F. Tenderer's Tax Clearance Certificate</p> <p>Tenderers shall be registered and in good standing with the South African Revenue Services (SARS) and must submit/append documentary evidence/proof in the form of a valid Tax Clearance PIN Number and/or a valid Tax Number issued by SARS. Failure to provide a valid Tax Clearance PIN number and/or Tax Number will result in the tender being rejected.</p> <p>Each party to a Consortium/Joint Venture shall submit a separate Tax Clearance PIN Number and/or Tax Number.</p>																				
<p>F.2.1.3</p>	<p>Only those tenderers who can demonstrate that they will have in their employ, management and supervisory staff satisfying the requirements of the scope of work for labour-intensive competencies for supervisory and management staff during the validity of the contract are eligible to submit tenders.</p> <p>Tender Qualification: Labour Intensive Contracts</p> <p>To qualify for award of the Contract, tenderers shall meet the following minimum qualifying criteria:</p> <ul style="list-style-type: none"> a. Having participated in and graduated with fully satisfactory results from the relevant national qualification framework training organized under EPWP (or other similar project) and applying trained supervisory staff on a full-time basis for the execution of the works. LIC NQF Level 5. b. Liquid assets/or credit facilities covering the expected expenditures for two full work months c. Proposals for timely acquisition (own, lease, hire, etc.) of the essential minimum equipment d. The contractor will carry out the works using labour based work methods as described in the Special Conditions of Contract <p>The tenderer must submit to the Employer, names of all management and supervisory staff that will be employed to supervise the labor-intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirement. The contractor shall ensure that the minimum supervisor to worker ratio of 1:15 for effective supervision of Labour intensive works for all LI activities.</p>																				
<p>F.2.1.4</p>	<p>Schedule of Labour Content</p> <p>The minimum Labour Content for this Project shall be % calculated as the amount spend on labour wage divided by the total value of the project. The minimum job creation targets on the project shall be:</p> <table border="1" data-bbox="305 1444 1430 1633"> <thead> <tr> <th></th> <th>Total</th> <th>Women</th> <th>Youth</th> <th>Disabled</th> </tr> </thead> <tbody> <tr> <td>Work Opportunities</td> <td>8</td> <td>5</td> <td>3</td> <td></td> </tr> <tr> <td>Person Days</td> <td>9,600</td> <td>6,000</td> <td>3,600</td> <td></td> </tr> <tr> <td>Training Days</td> <td>5</td> <td>3</td> <td>2</td> <td></td> </tr> </tbody> </table>		Total	Women	Youth	Disabled	Work Opportunities	8	5	3		Person Days	9,600	6,000	3,600		Training Days	5	3	2	
	Total	Women	Youth	Disabled																	
Work Opportunities	8	5	3																		
Person Days	9,600	6,000	3,600																		
Training Days	5	3	2																		
<p>F.2.7</p>	<p>Clarification Meeting</p>																				

	There will be no clarification meeting. Enquires must be in writing and be directed to the following emails by no later than 19 April 2021 and responses will be made available on our website (www.ndz.gov.za) mngadis@ndz.gov.za; holiwen@ndz.gov.za or dlaminiz@ndz.gov.za
F.2.10.3	Pricing the Tender Offer
	<i>Delete the contents of Clause F.2.10.3 and replace with the following:</i> This tender is NOT subject to Contract Price Adjustment.
F.2.12	Alternative Tender Offers
	<i>Delete the contents of Clause F.2.12 and replace with the following:</i> No alternative offers will be accepted. This includes offering fixed rates in lieu of Contract Price Adjustment.
F.2.13	Submitting a tender offer
F2.13.2	<i>Delete the contents of Clause F.2.13.2 and replace with the following:</i> "Return all returnable documents to the Employer after completing them in their entirety. Notwithstanding the format in which the tender documents are issued to Tenderers, no electronic form of tender offers will be accepted. Where additional supporting documentation is provided or required in terms of the Returnable Schedules listed in T2.1: List of Returnable Schedules, this shall be placed in a file labelled "Supporting Documentation", and further labelled in accordance with F2.13.5 of T1.2: Tender Data. The file shall be provided with a Table of Contents matching the relevant items for T2.1 and shall be provided with labelled dividers for each of the corresponding sections wherein the supporting documentation shall be inserted. Failure to comply with these requirements may result in the tender being declared non-responsive. Notwithstanding any statement in any of the Returnable Schedules listed in T2.1 to the effect that supporting documentation must be attached to the associated Returnable Schedule, the supporting documentation must be placed in the supporting documentation files as stipulated above. The Schedule of Quantities must be fully and correctly filled in in by hand in black ink."
F2.13.3	A two-envelope procedure will not be followed.
F.2.13.4	The tender shall be signed by a person duly authorized to do so.
F.2.13.5	The Employer's address for delivery of tender offers and identification details, to be shown on each tender offer package, are the following: Invitation to Tender Location of Tender Box: Dr Nkosazana Dlamini Zuma Local Municipality Offices Physical Address: Main Street, CREIGHTON, 3263. Identification details The identification details which must be stated in the tender offer outer package are: Tender Number: PWBS-: B003/21/22 Title of Tender: CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY EMERGENCY SERVICES CENTRE
F.2.13.6	<i>Delete the contents of Clause F.2.13.6 and replace with the following:</i>

	The two-envelope Procedure as described in Clause F.3.5 will NOT be followed.
F.2.14	Information and data to be completed in all aspects. 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	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.
F.2.16	Tender offer validity
F.2.16.1	The tender offer validity period is ninety (90) days from the closing date.
F.2.17	Clarification of Tender Offer after Submission
	A tender may be rejected as non-responsive if the Tenderer fails to provide any clarification requested by the Employer, or confirmation of registration with CIDB within the time for submission stated in the Employer's written request for such clarification or confirmation. A tender may be rejected if the unit rates or lump sums for some of the items in the bills/schedules of quantities are, in the opinion of the Employer, unreasonable or out of proportion, and the Tenderer fails, within the time stated in writing by the Employer to justify any specific rates or lump sums (i.e. to provide a financial breakdown of how such rates or sums were obtained) or to adjust the unit rates or lump sums for such items while retaining the total of the prices unchanged.
F.2.23	Certificates
	The tenderer is required to submit with his/her tender: <ol style="list-style-type: none"> 1) Original Tax Clearance Certificate or tax pin/authorization issued by the South African Revenue Services (SARS) to verify whether they meet all tax obligations. 2) An original or printout certificate of the CIDB grading designation equal or higher than required. 3) COID 4) CIPRO Documentation 5) Company / CC / Trust / Partnership registration certificates 6) Joint Venture Agreement and Power of attorney in case of Joint Ventures 7) ID copies, certified 8) Workmen's Compensation Registration Certificates (or proof of payment of contributions in terms of the Compensation for Occupation Injuries and Diseases Act No.130 of 1993) 9) Unemployed Insurance Fund (UIF) Registration Certificates 10) BBBEE Certificate <p>The Certificates as required in the Returnable Schedules and Forms must be provided with the tender for each party to a consortium /joint venture.</p>
F.3	The employer's undertakings
F.3.1	Respond to Requests from the Tenderer
F.3.1.1	The Employer will 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 tender documents.
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 seven 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, will then notify it to all tenderers who drew documents.
F.3.4	Opening of Tender Submissions

F.3.4.1	The time and location for opening of the tender offers is: Time: 12H00 on Wednesday, 12 May 2021 Location: Dr Nkosazana Dlamini Zuma Local Municipality
F.3.4.2	"number of points claimed for its BBBEE status level"
F.3.7	Grounds for rejection and disqualification
	Tenderers will be disqualified if any if, a. Any of the directors/shareholders of the Tenderer is listed on the National Treasury Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business in the public sector b. If the Tender has completed the Compulsory Enterprise Questionnaire and the and is considered by the Employer to have conflict of interest which may impact on the Tenderers ability to perform the proposed contract in the best interest of the Employer or potentially compromise the tender process. c. If the Tenderer has persons in the state who are not permitted to submit tenders or to participate in the contract"
F.3.8	Test for Responsiveness
	The words "responsive tender" and "acceptable tender" shall be construed to have the same meaning.
F.3.9.3	Omit the wording and replace with the following: " Notify the tenderer of all the errors, omissions and/or rates imbalances that are identified in the tender offer and request the tenderer to, within a stipulated time, accept the total of prices as corrected in the accordance with F.3.9.4."
F.3.9.4	Omit the wording of the first sentence and replace with the following: "In cases where tender offers contain errors, omissions and/or rate imbalances, these are to be corrected as follows"
F.3.9.4	Add sub paragraph c) to F.3.9.4, as follows: "c) If the tenderer does not accept the corrected tender offer or cannot reach the consensus with the Employer on a corrected tender offer, the tender is to be classified as not acceptable/ non-responsive and removed from further contention".
F.3.11	Evaluation of tender offers
F.3.11.1	General
	The Procedure for the evaluation of responsive tenders is Method 1: Price and Preference. Quality (functionality) will be used as a prequalifying criterion, with tenderers required to meet a minimum quality score of 70% in order to qualify for further evaluation.
F.3.11.7	Scoring Price
	For details of scoring price refer to Returnable Schedule A13: Adjudication of Bids on Points Basis.
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 Functionality
	The functionality will be applied as a prequalifying criterion to determine the tenderers that qualify for further evaluation. The quality shall be scored as per the table below.

	Points will be allocated only where the required supporting documentation has been submitted by the tenderer.				
DETAILED BREAKDOWN OF FUNCTIONALITY POINTS					
	Quality criteria	Basis for points allocation	Score	Max. Points	Verification method
	Schedule of work carried out by Tenderer <i>(Reference name and contact details required)</i> NB: Further diligence may be done on subcontracted contracts	5 completed building infrastructure projects with a value of R7M and above	20	20	List of projects, Letters of Appointment and Completion Certificate for all projects must be attached and are required to claim full points. Submitting only one of the required documents counts as non-submission and no points will be allocated. FAILURE TO SUBMIT REQUIREMENTS WILL RESULT IN NO SCORE BEING GIVEN
		3 completed building infrastructure projects with a value of R7M and above	15		
		1 completed building infrastructure projects with a value of R7M and above	8		
	Proposed Key Personnel	1. Contracts Manager		25	Certified qualification certificates and ID copies of ALL key personnel must be attached and are required to claim any points. The submitted CVs must be signed by the proposed and the Tenderer's authorized signatory to claim points. If Contracts Manager or Site Agent has a LIC 5 certification' i.e. an additional 3 points will be added. CERTIFIED DOCUMENTS MUST NOT BE OLDER THAN 3 MONTHS. FAILURE TO SUBMIT REQUIREMENTS WILL RESULT IN NO SCORE BEING GIVEN
		<ul style="list-style-type: none"> • B. Degree: Civil/Building and at least 5 years post graduate experience of similar scope of works. 	5		
		<ul style="list-style-type: none"> • N. Diploma: Civil/Building and at least 3 years post graduate experience of similar scope of works. 	3		
		<ul style="list-style-type: none"> • N. Diploma: Civil/Building and less than 3 years post graduate experience of similar scope of works. 	1		
		2. Site Agent			
		<ul style="list-style-type: none"> • B. Degree: Civil/Building and at least 3 years post graduate experience of similar scope of works. 	5		
		<ul style="list-style-type: none"> • N. Diploma: Civil/Building and at least 2 years post graduate experience of similar scope of works. 	3		
		<ul style="list-style-type: none"> • N. Diploma: Civil/Building and less than 2 years post graduate experience of similar scope of works. 	1		
		3. Construction Supervisor			
		<ul style="list-style-type: none"> • 10 years or more years' experience in similar projects 	5		
		<ul style="list-style-type: none"> • 5 to 10 years or more years' experience in similar projects 	3		
		<ul style="list-style-type: none"> • Less than 5 years' experience in similar projects 	1		
	4. Safety Officer				
	<ul style="list-style-type: none"> • OHS (Construction Regulations) qualification or related qualification and at least 5 years post graduate experience of similar scope of works. 	5			
	<ul style="list-style-type: none"> • OHS (Construction Regulations) qualification or related qualification and at least 3 years post graduate experience of similar scope of works. 	3			
	<ul style="list-style-type: none"> • OHS (Construction Regulations) qualification or related qualification and at 	2			

		least 2 years post graduate experience of similar scope of works. <ul style="list-style-type: none"> • Valid First aid level 3 • No First aid certificate 	1 0		
		5. CETA certified Labour Intensive Certificate: NQF Level 5	5		
	Quality Control Plan	The Quality Control Plan must detail the following to get full points: 1. Tenderer's proposed methodology for the works, 2. Health and safety management plan, and 3. Quality control measures (testing, inspections, technical query management and project reporting). 4. Contractor is certified as with the Quality Management System to ISO9001:2008 or 2015 standard and has attached a certified copy of the certification. (5 pages maximum) Good: Quality Control Plan lists and discusses the headings above and the contractor has a certified Quality Management System to ISO9001:2008 or 2015 standards. Acceptable: Quality Control Plan lists and discusses three of the headings above. Fair: Quality Control Plan lists and discusses less than three of the headings above. No submission: Quality Control Plan is not related to the required information or is not submitted.	15 5 3 0	15	Quality Plan submission FAILURE TO SUBMIT PLAN WILL RESULT IN NO SCORE BEING GIVEN
	Financial Reference	Tenderers will be scored on financial resources as follows: <ul style="list-style-type: none"> • Very Good – Indisputable for enquiries (Bank Rating A) • Good – Good for the amount of work (Bank Rating B) • Adequate – Good for the amount of work strictly in accordance with business (Bank Rating C) • Poor – Reasonable business risk (Additional motivation will be required prior appointment) (Bank Rating D) • Inadequate and risky (Bank Rating E) 2. Contractor's letter of intent from a registered financial institution of guarantor in the amount of 10% for surety	10 8 6 0 0 5	10	
	TOTAL POINTS			70	
	TENDERERS WITH A SCORE OF LESS THAN 70% WILL BE REJECTED AS NON-RESPONSIVE				
F.3.16	Notification to unsuccessful tenderers				

	<p>If the Supply Chain Management Bid Adjudication Committee has resolved that a tender be accepted, the unsuccessful tenderers shall be notified in writing.</p> <p>Any Tenderer wishing to exercise their right to appeal must submit their appeal in writing within 14 calendar days of receipt of notification to The Supply Chain Manager, uMdoni Municipality. The format of the appeal must:</p> <ul style="list-style-type: none"> • set out the reasons for the appeal • state in which way the appellant's rights have been affected by the decision • state the remedy sought • be accompanied by a copy of the notification advising the Tenderer of the decision of the Supply Chain Management Bid Adjudication Committee. <p>If no bona fide appeals have been received within 5 days of the notifications being sent, the successful Tenderer will be notified of UMdoni Municipality's acceptance of their bid.</p> <p>The consideration of appeals and, if necessary, the invalidation of any decision made, shall be dealt with in terms of UMdoni Municipality's appeals process.</p>
F.3.17	Provide Copies of the Contracts
	"The number of paper copies of the signed contract to be provided by the Employer is ONE."

T1.2.3 Additional Conditions of Tender

The additional conditions of tender are:

T.1.2.3.1	Compliance with Occupational Health and Safety Act 1993 and Construction Regulations (as amended 2014)
	<p>Tenderers are to note the requirements of the Occupational Health and Safety Act No. 85 of 1993 and the latest amended Construction Regulations (2014) issued in terms of Section 43 of the Act. The Tenderer shall be deemed to have read and fully understood the requirements of the above Act and Regulations and to have allowed for all costs in compliance therewith.</p> <p>In this regard the Tenderer shall submit with the tender, appended to Health and Safety Plan in T2.2 Returnable Documents, a detailed Health and Safety Plan prepared in accordance with the Health and Safety Specification (given in in respect of the Works in order to demonstrate the necessary competencies and resources to perform the construction work all in accordance with the Act and Regulations).</p>
T.1.2.3.2	T.1.2.3.2 Claims Arising after Submission of Tender

	<p>No claim for any extras arising out of any doubt or obscurity as to the true intent and meaning of anything shown on the Contract Drawings or contained in the Conditions of Contract, Scope of Work and Pricing Data, will be admitted by the Employer/Employer's Implementing Agent after the submission of any tender and the Tenderer shall be deemed to have:</p> <ol style="list-style-type: none"> 1) Inspected the Tender Drawings and read and fully understood the Conditions of Contract. 2) Read and fully understood the whole text of the Scope of Work and Pricing Data and thoroughly acquainted himself with the nature of the works proposed and generally of all matters which may influence the Contract. 3) Visited the site of the proposed works, carefully examined existing conditions, the means of access to the site, the conditions under which the work is to be done, and acquainted himself with any limitations or restrictions that may be imposed by the Municipal or other Authorities in regard to access and transport of materials and plant to and from the site and made the necessary provisions for any additional costs involved thereby. 4) requested the Employer or his duly authorised agent to make clear the actual requirements of anything shown on the Tender Drawings or anything contained in the Scope of Work and Pricing Data, the exact meaning or interpretation of which is not clearly intelligible to the Tenderer. <p>Before submission of any tender, the Tenderer should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or if the Pricing Data contain any obvious errors, the Tenderer must apply to the Employer/Employer's Implementing Agent at once to have the same rectified, as no liability will be admitted by the Employer/Employer's Implementing Agent in respect of errors in any tender due to the foregoing.</p>
<p>T.1.2.3.3</p>	<p>Imbalance in Tendered Rates</p>
	<p>In the event of tendered rates or lump sums being declared by the Employer to be unacceptable to it because they are either excessively low or high or not in proper Balance with other rates or lump sums, the Tenderer may be required to produce evidence and advance arguments in support of the tendered rates or lump sums objected to. If, after submission of such evidence and any further evidence requested, the Employer is still not satisfied with the tendered rates or lump sums objected to, it may request the Tenderer to amend these rates and lump sums along the lines indicated by it.</p> <p>The Tenderer will then have the option to alter and/or amend the rates and lump sums objected to and such other related amounts as are agreed on by the Employer, but this shall be done without altering the Contract Price.</p> <p>Should the Tenderer fail to amend the Tender in a manner acceptable to the Employer, the Employer may reject the Tender.</p>
<p>T.1.2.3.4</p>	<p>Community Liaison Officer</p>
	<p>Democratically elected village members who in turn have representation on the overall Project Steering Committee (PSC) represents the residents being served by the project. The Contractor will be required to liaise through the CLO for any matters to do with the community. The CLO shall be paid an amount of R3 500 per month throughout the contract.</p>
<p>T.1.2.3.5</p>	<p>Labour Intensive Construction / Use of Local Labour</p>
	<p>Aspects of this project will be carried out in accordance with the provisions of EPWP and as set out in clauses F.2.1.3 and F.2.1.4.</p> <p>The contractor must to make use of local labour in order to promote labour intensive construction, the labour intensive works to be done under the contract is as stated below:</p> <ul style="list-style-type: none"> • Excavation for shallow foundations • Steel fixing for foundations and other reinforced structures • Shuttering • Brick laying

- Ancillary roadworks
- General cleaning

The latest gazetted government labour rate for the Construction industry will to be used in the contract for remuneration of local labour.

TABLE OF CONTENTS

	PAGE NO.
T2: RETURNABLE DOCUMENTS AND SCHEDULES	RD. 2
T2.1: LIST OF RETURNABLE DOCUMENTS	RD. 2
T2.2: LIST OF RETURNABLE SCHEDULES AND FORMS.....	RD. 33

T2: RETURNABLE DOCUMENTS AND SCHEDULES

T2.1: LIST OF RETURNABLE DOCUMENTS

The tenderer must complete and return documents all returnable document as listed below as part of his/her tender submission:

Form	Returnable Schedules (Documents) for Tender Evaluation Purposes	Submitted (Tick)
	COMPULSORY DOCUMENTS	
A11	Central Supplier's Database registration certificate	
A9	Rates Clearance Certificate -Attach updated municipal rates statement not in arrears for more than 90 days or - Attach a valid lease agreement if the director is leasing offices/ residential Property with a confirmation letter from the landlord. or -Attach a letter of exemption from the relevant municipality or -Attach affidavit if the Municipal Account is under your parents or siblings and they are responsible for paying municipal rates (if the address is the same as yours) and attach the copy of the Municipal rates for the above mentioned. or -Attach copy of a marriage certificate if Municipal account is under your spouse	
A1	Certificate of Tax Clearance (MBD 2)	
A5	Declaration of Interest (MDB 4)	
A6	Preference Points claim form in terms of the Preferential Procurement Regulations 2011 (MBD 6.1)	
A7	Declaration Certificate for Local Production and Content for Designated Sectors (MDB 6.2)	
A10	Contractor's CIDB Registration Certificate	
A13	Declaration of Bidder's Past SCM (MBD 8)	
A14	Independent Bid Determination (MBD 9)	
C3.5	Compulsory Subcontracting The tender must sub-contract a minimum of 30% of the contract value to EMEs or QSEs which are 51% owned by either of the following: Blacks, Black women	
B2	Form of Offer and Acceptance (Part C1)	
<p>NB: Failure to submit the above documents will automatically disqualify your bid. Note: Compulsory for immediate disqualification means – the tender will not be evaluated further if a particular returnable schedule document is not duly completed and signed prior submitting bid document.</p>		
DOCUMENTS TO BE SUBMITTED		
A2	Company / Cc / Partnership / JV / SP Registration Certificates and Certified ID copies of ALL directors, members and partners.	
A3	Certificate of attendance of Site Inspection Meeting	
A4	PPP Document	
A8	Certified BBBEE Certificate	
A12	Letter of Good Standing with Compensation Fund (COID)	
A15	Record of Addenda to Tender Documents	
A16	Contractor's Health and Safety Declaration (Form concerning fulfilment of the Construction Regulations, 2014)	

A17	NHBRC Registration Certificate	
-----	--------------------------------	--

Note: Compulsory for immediate disqualification means – the tender will not be evaluated further if a particular returnable schedule document is not duly completed and signed prior submitting bid document.

Form	Returnable Schedules (Documents) that will be incorporated into the contract	Submitted Yes/No	Compulsory for Immediate Disqualification
B1	Preference Schedules and Affidavit		Yes
B2	Form of Offer and Acceptance (Part C1)		Yes
B3	Contract Data (Part C1)		Yes
B4	Priced Bill of Quantities (Part C2)		Yes
B5	Performance guarantee		No
B6	Tenderer's Financial standing		No
B7	Agreement in Terms of the OHS Act No 85 of 1993		Yes
B8	Scope of Work (Part C3)		No
B9	Site information (Part C4)		No

Form	Other Returnable Schedules (Documents)	Submitted Yes/No	Compulsory for Immediate Disqualification
C1	Authority for signatory		Yes
C1.1	Certificate of Authority for Joint Ventures		Yes
C1.2	Joint Venture Disclosure Form		Yes
C2	Schedule of Current Commitments		No
C3	Forms for Functionality points		
C3.1	Schedule of Work carried out by Tenderer		No
C3.2	Schedule of plant and equipment		No
C3.3	Proposed Key personnel		No
C3.4	Quality Control Plan		No
			No
C3.6	EPWP Requirements		No
C4	Certificate for Insurance Cover		No
C5	Preliminary Construction Programme		No
C6	Estimated Monthly Expenditure		No
C7	Compulsory Enterprise Questionnaire		Yes

A1: CERTIFICATE OF TAX CLEARANCE (MBD 2)

Tenderers are required to be registered for VAT and will need to submit the following in order to be considered:

-

- A SARS Tax Compliance Certificate or
- A Tax Compliance Status Certificate with Pin (Obtainable from E-Filing)

The tax clearance certificate as per the above must be valid prior to the closing date of the tender and must be kept valid for the duration of the contract.

ATTACH PROOF TO THIS PAGE

FAILURE TO SUBMIT THIS RETURNABLE DOCUMENT WILL INVALIDATE THE TENDER

A2: COMPANY / CC / PARTNERSHIP / JV / SP REGISTRATION CERTIFICATES

[NOTE: Registration Certificates for Companies, Close Corporations and Partnerships, or JV Agreements and Powers of Attorney for Joint Ventures, or ID documents for Sole Proprietors must be attached here. Tenderers must include certified ID copies of all directors, members and partners]

In addition to the above, the tenderer must insert here certified copy of identity documents of directors

ATTACH PROOF TO THIS PAGE

FAILURE TO SUBMIT THIS RETURNABLE DOCUMENT WILL INVALIDATE THE TENDER

A3: CERTIFICATE OF ATTENDANCE OF SITE INSPECTION MEETING

CONTRACT No.: PWBS-: B003/21/22

**CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY EMERGENCY SERVICES
CENTRE**

(Please print)

It is hereby CERTIFIED that I, (name)
in my capacity as.....and a duly authorized
representative of..... (the TENDERER)
of (address).....
in the company of.....(the ENGINEER)
attended the official Site Inspection on(date)
for and on behalf of the above-named Tenderer.

I hereby further DECLARE that I am satisfied with the description of the Works and the explanations given by
the above-named Engineer.

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: Date and Time:



Municipality Date Stamp

A4: PREFERENTIAL PROCUMENT AND DECLARATION OF INTEREST

In terms of Section 16 of the Preferential Procurement Policy Framework Act Regulations 2002 (Act No.5 of 2000) it is a condition of this tender/quote that the successful tenderer's taxation payments must be in order or that suitable arrangements have been made with the Receiver of Revenue: South African Revenue Services to this end and to their satisfaction.

SERVICE PROVIDER TO CHECK WITH THE SCM UNIT IF TAX CLEARANCE ON FILE IS UPDATED.

In cases of Consortiums, Joint Ventures or Partnerships each individual must submit the required Certificate aforementioned.

PARTICULARS OF TAXPAYER/TENDERER

Name of Taxpayer/tenderer	
Trade name (if applicable)	
Identification No. (if applicable)	
Co. or CC No. (if applicable)	
Income Tax Reference No.	
VAT Registration No.	
PAYE No. (if applicable)	
(Person completing form) Name	
Address	
Telephone/Cell phone No.	
CIDB No.	

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

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

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

A5: DECLARATION OF INTEREST (MBD 4)

1. No bid will be accepted from persons in the service of the state*.
1. 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 favouritism, 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 TENDERER or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.
- 3 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

3.1 Full Name:

3.2 Identity Number:

3.3 Company Registration Number:

3.4 Tax Reference Number:

3.5 VAT Registration Number:

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

3.6.1 If so, furnish particulars.

.....
.....

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

3.7.1 If so, furnish particulars.

.....
.....

* MSCM 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.

3.8 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**

3.8.1 If so, furnish particulars.

.....
.....

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

3.9.1 If so, furnish particulars

.....
.....

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

3.10.1 If so, furnish particulars.

.....
.....

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

3.11.1 If so, furnish particulars.

.....
.....

CERTIFICATION

I, THE UNDERSIGNED (NAME)

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of TENDERER

A6: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2011 WAS AMENDED TO ALIGN WITH THE NEW B-BBEE CODES OF GOOD PRACTICE IN 2007 REGULATIONS (MBD 6.1)

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

1. GENERAL CONDITIONS

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

- the 80/20 system for requirements with a Rand value of up to R1 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R1 000 000 (all applicable taxes included).

1.2 The value of this bid is estimated to exceed/not exceed R1 000 000 (all applicable taxes included) and therefore the 90/10 system shall be applicable.

1.3 Preference points for this bid shall be awarded for:

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

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

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

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

1.5 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. GENERAL DEFINITIONS

2.1 "Acceptable bid" means any bid which, in all respects, complies with the specifications and conditions of bid as set out in the bid document.

- 2.2 **“Bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods, works or services.
- 2.3 **Comparative price** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration.
- 2.4 **“Consortium or joint venture”** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skills and knowledge in an activity for the execution of a contract.
- 2.5 **“Contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.7 **Control** means the possession and exercise of legal authority and power to manage the assets, goodwill and daily operations of a business and the active and continuous exercise of appropriate managerial authority and power in determining the policies and directing the operations of the business.
- 2.11 **“Management”** means an activity inclusive of control and performed on a daily basis, by any person who is a principal executive officer of the company, by whatever name that person may be designated, and whether or not that person is a director.
- 2.12 **“Owned”** means having all the customary elements of ownership, including the right of decision-making and sharing all the risks and profits commensurate with the degree of ownership interests as demonstrated by an examination of the substance, rather than the form of ownership arrangements.
- 2.13 **“person”** includes a juristic person;
- 2.14 **“rand value”** means the total estimated value of a Contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.15 **“Small, Medium and Micro Enterprises (SMMEs)”** bears the same meaning assigned to this expression in the National Small Business Act, 1996 (No 102 of 1996).
- 2.16 **“Sub-contracting”** means the primary contractor’s assigning or leasing or making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
- 2.17 **“Trust”** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.18 **“trustee”** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the Contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts;.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.

4. POINTS AWARDED FOR PRICE

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

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

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

Ps = Points scored for comparative price of bid under consideration

Pt = Comparative price of bid under consideration

Pmin = Comparative price of lowest acceptable bid

- 4.2 Equity claims for a trust will only be allowed in respect of those persons who are both trustees and beneficiaries and who are actively involved in the management of the trust.
- 4.3 Documentation to substantiate the validity of the credentials of the trustees contemplated above must be submitted.
- 4.4 Listed companies and tertiary institutions do not qualify for HDI preference points.
- 4.5 A consortium or joint venture may, based on the percentage of the contract value managed or executed by each entity, to be entitled to preference points in respect of BEE.
- 4.6 A person awarded a contract as a result of preference for contracting with, may not subcontract more than 25% of the value of the contract to a person who is not an BEE compliant or does not qualify for the same number or more preference for BEE.

5. BID DECLARATION

- 5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete Bid Declaration at the end of this form.

6. DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

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

7. COMPANY CLASSIFICATION

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

[TICK APPLICABLE BOX]

8. MUNICIPAL INFORMATION (DISCTRICT MUNICIPALITY ACCOUNT) *WATER AND SANITATION ACCOUNT

District Municipality where business is situated:

Registered Account No:

Stand No:

(LOCAL MUNICIPALITY ACCOUNT) *RATES, REFUSE, ELECTRICTY ACCOUNTS

Local Municipality where business is situated:

Registered Account No:

Stand No:

9. TOTAL NUMBER OF YEARS THE FIRM HAS BEEN IN BUSINESS?

10. CONSORTIUM / JOINT VENTURE

10.1 In the event that preference points are claimed for BEE members by consortia / joint ventures, the following information must be furnished in order to be entitled to the points claimed in respect of the HDI member:

Name of joint venture or consortium partner (to be consistent with paragraph 9.8)	Percentage (%) of the contract value managed or executed by the Joint Venture or Consortium partner

10.2 I/we, the undersigned, who warrants that he/she is duly authorised to do so on behalf of the firm certify that points claimed, based on the BEE status, indicated in paragraph 8 of the foregoing certificate, qualifies the firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct.
- (ii) The BEE status claimed is in accordance with the General Conditions as indicated in paragraph 1 of this form.
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 8, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct.
- (iv) If the claims are found to be incorrect, the purchaser may, in addition to any other remedy it may have -
 - (a) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (b) 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;

WITNESSES:

1.
.....

.....
SIGNATURE(S) OF BIDDER(S)

A7: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS (MBD 6.2)

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

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

1. General Conditions

- 1.1 Preferential Procurement Regulations, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2 Regulation 9(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3 Where necessary, for bids referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4 A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5 The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

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

Where

1. is the imported content in Rand
2. is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as required in paragraph 4.1 below.

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

- 1.6 A bid may be disqualified if –
 1. this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
 2. the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.

2. Definitions

- 2.1 “**bid**” includes written price quotations, advertised competitive bids or proposals;
- 2.2 “**bid price**” price offered by the bidder, excluding value added tax (VAT);

- 2.3 “**contract**” means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4 “**designated sector**” means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
- 2.5 “**duly sign**” means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility (close corporation, partnership or individual).
- 2.6 “**imported content**” means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour and intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7 “**local content**” means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
- 2.8 “**stipulated minimum threshold**” means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9 “**sub-contract**” means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.

The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

Industry/sector/sub-sector	Minimum threshold for local content
Reinforced steel bars	100%
Wire products	100%
Welded Mesh	100%
Bricks Reinforcement	100%
Roof sheeting	100%
Galvanized Steel Grid	100%
Galvanized Steel Braces	100%
Galvanized steel purlins and fittings	100%
Galvanized Brackets	100%
Galvanized Hoop Iron Cramps	100%
Stainless Steel Hinges	100%
Chromadek Roller	100%
Steel Ridge Claping	100%
Aluminium Window Frames	100%
Aluminium Door Frames	100%
PVC Pipes	100%
HDPE pipes class 12	100%
Reinforced steel bars	100%
Wire products	100%

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

(Tick applicable box)

YES		NO	
-----	--	----	--

3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by the SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za.

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

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

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

4. Were the Local Content Declaration Templates (Annex C, D and E) audited and certified as correct?

(Tick applicable box)

YES		NO	
-----	--	----	--

4.1 If yes, provide the following particulars:

Full name of auditor:
 Practice number:.....
 Telephone and cell number:
 Email address:.....

(Documentary proof regarding the declaration will, when required, be submitted to the satisfaction of the Accounting Officer / Accounting Authority)

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

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

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

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Municipality / Municipal Entity):

NB

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

Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp). Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below. Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

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

- The facts contained herein are within my own personal knowledge.
- I have satisfied myself that

the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
 the declaration templates have been audited and certified to be correct.

The local content percentages (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C;

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

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

1. I accept that the Procurement Authority / Municipality /Municipal Entity has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
2. I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect Data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority/ Municipal/ Municipal Entity imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No.5 of 2000)

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

A8: CERTIFIED B-BBEE CERTIFICATE

Attach certified copy (not a copy of a copy) of B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) to this page.

A9: RATES AND MUNICIPAL SERVICES CLEARANCE CERTIFICATE

In terms of Clause 38 of the Supply Chain Management Policy the Dr Nkosazana Dlamini Zuma Local Municipality reserves the right to reject any tender if any municipal rates and tariffs or municipal service charges owed by that tenderer or any of its directors to the municipality or to any other municipality or municipal entity are in arrears for more than 3 (three) months.

Tenderers are required to submit proof of payment of municipal rates and tariffs for the municipality in which the tender is being undertaken **and the** municipality in which their business address is recorded as per Companies and Intellectual Commission (CPIC) if different.

SCM certificates for the Dr Nkosazana Dlamini Zuma area are obtainable from the Dr Nkosazana Dlamini Zuma Municipality and the provision of this certificate is compulsory;

This serves to confirm that **my municipal rates and taxes are paid up to date and the following is attached:**

1. An copy of the most recent municipal statement not older than 3 months, indicating the status of payment of all municipal accounts and taxes, electricity, water, refuse, rates and levies, from the Municipality in which jurisdiction it's business is situated or;
2. In the case where the tenderer does not own property/is a tenant for the purpose of its business establishment, the tenderer to provide copy of lease agreement and a recent statement from its landlord certifying that all the tenants payments in respect of all municipal accounts and taxes i.e. electricity, water, refuse, rates and levies are paid up to date or;
3. In a case where the Service Provider cannot supply any of the above. The person would have to obtain a Rate Clearance Certificate from the Municipality that the person resides in. Service Provider would need a certified copy of the ID of all Directors and a certified copy of the company's CK Tendering, to obtain a certificate ; or
4. Tenders who are **not** registered with any municipality for the payment of rates and services due to their location may submit proof of residence / business address certified by a Municipal Councillor, but only if the residence is the same address as the business address; and

In addition to 1 – 4 above, the following is compulsory

5. SCM certificates for the Dr Nkosazana Dlamini Zuma area which are obtainable from the municipality and the provision of this Certificate is compulsory and must be attached to this page

Attach proof to this page in terms of the above

A10: CONTRACTOR'S CIDB REGISTRATION CERTIFICATE

[The Tenderer shall attach the Proof of Registration with CIDB here].

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THEIR ONLINE CIDB REGISTER OF CONTRACTORS REFLECTS THEM AS "ACTIVE" FOR THE DURATION OF THE TENDER VALIDITY PERIOD. AN "INACTIVE" REGISTRATION STATUS WILL INVALIDATE THE TENDER

A11: CENTRAL SUPPLIER'S DATABASE REGISTRATION CERTIFICATE

[The Tenderer shall attach the Proof of Registration with CSD here].

ATTACH PROOF HERE

FAILURE TO SUBMIT THIS RETURNABLE DOCUMENT WILL INVALIDATE THE TENDER

A12: LETTER OF GOOD STANDING WITH COMPENSATION FUND (COID)

[NOTE: The tenderer's Workmen's Compensation Registration Certificate in accordance to the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993, is to be attached here].

ATTACH PROOF HERE

FAILURE TO SUBMIT THIS RETURNABLE DOCUMENT WILL INVALIDATE THE TENDER

A13: DECLARATION OF TENDERER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES (MBD 8)

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities 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 TENDERER may be rejected if that TENDERER, or any of its directors have:
 - a. abused the municipality's / municipal entity'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 TENDERER 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 <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	Is the TENDERER 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 <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	Was the TENDERER 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 <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
Item	Question	Yes	No
4.4	Does the TENDERER 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 <input type="checkbox"/>	No <input type="checkbox"/>

4.4.1	If so, furnish particulars:		
4.5	Was any contract between the TENDERER 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 <input type="checkbox"/>	No <input type="checkbox"/>
4.7.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM TRUE AND CORRECT.

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 TENDERER

A14: CERTIFICATE OF INDEPENDENT BID DETERMINATION (MBD 9)

- 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 TENDERER if that TENDERER 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.

I, the undersigned, in submitting the accompanying bid:

CONTRACT No.: PWBS-: B003/21/22
**CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY EMERGENCY SERVICES
CENTRE**

(Bid Number and Description)

in response to the invitation for the bid made by: **DR NKOSAZANA DLAMINI ZUMA LOCAL
MUNICIPALITY**

(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 TENDERER)

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 TENDERER to sign this Certificate, and to submit the accompanying bid, on behalf of the TENDERER;
4. Each person whose signature appears on the accompanying bid has been authorized by the TENDERER to determine the terms of, and to sign, the bid, on behalf of the TENDERER;
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 TENDERER, whether or not affiliated with the TENDERER, 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 TENDERER and/or is in the same line of business as the TENDERER
6. The TENDERER 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 TENDERER, 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.

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.**

.....
SIGNATURE

.....
DATE

.....
POSITION

.....
NAME OF TENDERER

A15: RECORD OF ADDENDA TO TENDER DOCUMENTS

I / We confirm that the following communications received from the Employer or his representative before the date of submission of this tender offer, amending the tender documents, have been considered in this tender offer.

No.	Date	Title or Details
1		
2		
3		
4		
5		

NAME: POSITION:

SIGNATURE: DATE:

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

A16: FORM CONCERNING FULFILMENT OF THE CONSTRUCTION REGULATIONS, 2014

[NOTE: this form must be completed concerning fulfilment of the construction regulations, 2014]

In terms of Regulation 4(3) of the Construction Regulations, 2014 (hereinafter referred to as the Regulations), promulgated on 7 February 2014 in terms of Section 43 of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), the Employer shall not appoint a Contractor to perform construction work unless the Contractor can satisfy the Employer that his/her firm has the necessary competencies and resources to carry out the work safely and has allowed adequately in his/her Tender for the due fulfilment of all the applicable requirements of the Act and the Regulations.

- 1 I confirm that I am fully conversant with the Regulations and that my company has (or will acquire/procure) the necessary competencies and resources to timeously, safely and successfully comply with all of the requirements of the Regulations. (Tick)

YES	
NO	

- 2 Proposed approach to achieve compliance with the Regulations (Tick)

Own resources, competent in terms of the Regulations (refer to 3 below)	
Own resources, still to be hired and/or trained (until competency is achieved)	
Specialist subcontract resources (competent) - specify:	

- 3 Provide details of proposed key persons, competent in terms of the Regulations, who will form part of the Contract team as specified in the Regulations (CVs to be attached):

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

- 4 Provide details of proposed training (if any) that will be undergone:

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

.....
5 Potential key risks identified and measures for addressing risks:
.....
.....
.....
.....
.....
.....
.....

6 I have fully included in my tendered rates and prices (in the appropriate payment items provided in the Schedule of Quantities) for all resources, actions, training and any other costs required for the due fulfilment of the Regulations for the duration of the construction and defects repair period.(Tick)

YES	
NO	

7 The Tenderer shall attach to this Form evidence that he is registered and in good standing with a compensation insurer who is approved by Department of Labour in terms of section 80 of the Compensation for Injury and Disease Act, 1993 (Act No 130 of 1993)(COID).

The Tenderer is required to disclose, by also attaching documentary evidence to this form, all inspections, investigations and their outcomes conducted by the Department of Labour into the conduct of the Tenderer at any time during the 36 months preceding the date of this Tender.

SIGNATURE OF PERSON(S) AUTHORISED TO SIGN THIS TENDER:

1 ID NO:
2 ID NO:

A17: NATIONAL HOME BUILDERS REGISTRATION COUNCIL (NHBRC) CERTIFICATE

[NOTE: The tenderer's valid NHBRC Certificate, is to be attached here].

ATTACH CERTIFICATE HERE

T2.2: RETURNABLE SCHEDULES

The tenderer must complete and submit the following returnable schedules and documents:

Form	Returnable Schedules (Documents) that will be incorporated into the contract	Submitted Yes/No	Yes/No
B1	Preference Schedules and Affidavit		
B2	Form of Offer and Acceptance (Part C1)		
B3	Contract Data (Part C1)		
B4	Priced Bill of Quantities (Part C2)		
B5	Performance guarantee		
B6	Tenderer's Financial standing		
B7	Agreement in Terms of the OHSA No 85 of 1993		
B8	Scope of Work (Part C3)		
B9	Site information (Part C4)		

Form	Other Returnable Schedules (Documents)	Submitted Yes/No	Yes/No
C1	Authority for signatory		
C1.1	Certificate of Authority for Joint Ventures		
C1.2	Joint Venture Disclosure Form		
C2	Schedule of Current Commitments		
C3	Forms for Functionality points		
C3.1	Schedule of Work carried out by Tenderer		
C3.2	Schedule of plant and equipment		
C3.3	Proposed Key personnel		
C3.4	Quality Control Plan		
C3.5	Compulsory Subcontracting		
C3.6	EPWP Requirements		
C4	Certificate for Insurance Cover		
C5	Preliminary Construction Programme		
C6	Estimated Monthly Expenditure		
C7	Compulsory Enterprise Questionnaire		

[NOTE: Each form must be completed fully the evaluation of tenders and the eventual contract will be based on the information provided by the Tenderer. Failure to complete the schedules and forms to the satisfaction of the Employer will, inevitably, prejudice the tender and may lead to rejection claiming the tender is not responsive].

B7: TENDERER'S FINANCIAL STANDING (FINANCIAL REFERENCES)

Financial Statements

I/We agree, if required, to furnish an audited copy of the latest set of financial statements together with my/our Directors' and Auditors' report for consideration by the Employer.

Details of Company's Bank

I/We hereby authorise the Employer/Engineer to approach all or any of the following banks for the purposes of obtaining a financial reference:

DESCRIPTION OF BANK DETAIL	BANK DETAILS APPLICABLE TO TENDERER'S HEAD OFFICE
Name of bank	
Branch name	
Branch code	
Street address	
Postal address	
Name of manager	
Telephone number	
Fax number	
Account number	

Tenderer's Tax Details

Tenderer's VAT vendor registration number:

Tenderer's SARS tax reference number:

NAME:

POSITION:

SIGNATURE:

DATE:

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

C1: CERTIFICATE OF AUTHORITY FOR SIGNATORY

Signatories for close corporations and companies shall confirm their authority by attaching to this form a duly signed and dated copy of the relevant resolution of their members or their board of directors, as the case may be.

An example for a company is shown below:

"I/We*, the undersigned, am/are* duly authorised to sign the form of tender on behalf of

.....

by virtue of the Articles of Association/Resolution of the Board of Directors*, of which a certified copy is attached, or

.....

.....

*Delete whichever is inapplicable

NAME

SIGNATURE

DATE

NAME

SIGNATURE

DATE

WITNESSES

NAME

SIGNATURE

DATE

NAME

SIGNATURE

DATE

NAME

SIGNATURE

DATE

C1.1: CERTIFICATE OR AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed only if Tenderer is a joint venture.

We, the undersigned, are submitting this tender offer in joint venture and hereby authorise

Mr/Ms , authorised signatory of the company, close corporation or partnership..... acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature : Name : Designation :
		Signature : Name : Designation :
		Signature : Name : Designation :
		Signature : Name : Designation :

Note:
 A copy of the Joint Venture Agreement showing clearly the percentage contribution of each partner to the Joint Venture shall be appended to this Schedule.

C1.2: JOINT VENTURE DISCLOSURE FORM

GENERAL

- i. All the information requested must be filled in the spaces provided. If additional space is required, additional sheets may be used and attached to the original documents.
- ii. A copy of the joint venture agreement must be attached to this form, in order to demonstrate the Affirmable, Joint Venture Partner's share in the ownership, control, management responsibilities, risks and profits of the joint venture, the proposed joint venture agreement must include specific details relating to:
 - a. the contributions of capital and equipment
 - b. work items to be performed by the Affirmable Joint Venture Partner's own forces
 - c. work items to be performed under the supervision of the Affirmable Joint Venture Partner.
- iii. Copies of all written agreements between partners concerning the contract must be attached to this form including those, which relate to ownership options and to restrictions/limits regarding ownership and control.
- iv. ABE partners must complete ABE Declaration Affidavits.
- v. The joint venture must be formalised. All pages of the joint venture agreement must be signed by all the parties concerned. A letter/ notice of intention to formalise a joint venture once the contract has been awarded will not be considered.
- vi. Should any of the above not be complied with, the joint venture will be deemed null and void and will be considered non-responsive.

1. JOINT VENTURE PARTICULARS

- a) Name
.....
- b) Postal address
.....
.....
.....
- c) Physical address
.....
.....
.....
- d) Telephone
.....
- e) Fax
.....

2. IDENTITY OF EACH NON-AFFIRMABLE JOINT VENTURE PARTNER

- 2.1(a)** Name of Firm
- Postal Address
- Physical Address
- Telephone
- Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:
.....

2.2(a) Name of Firm

Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....
(Continue as required for further non-Affirmable Joint Venture Partners)

3. IDENTITY OF EACH AFFIRMABLE JOINT VENTURE PARTNER

3.1(a) Name of Firm

Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

3.2(a) Name of Firm

Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

3.3(a) Name of Firm

Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

4. BRIEF DESCRIPTION OF THE ROLES OF THE AFFIRMABLE JOINT VENTURE PARTNERS IN THE JOINT VENTURE

.....

5. OWNERSHIP OF THE JOINT VENTURE

a) Affirmable Joint Venture Partner ownership percentage(s) %

b) Non-Affirmable Joint Venture Partner ownership percentage(s) %

c) Affirmable Joint Venture Partner percentages in respect of : *

i) Profit and loss sharing

ii) Initial capital contribution in Rands

(*Brief descriptions and further particulars should be provided to clarify percentages).

iii) Anticipated on-going capital contributions in Rands

iv) Contributions of equipment (specify types, quality, and quantities of equipment) to be provided by each partner.

.....

6. RECENT CONTRACTS EXECUTED BY PARTNERS IN THEIR OWN RIGHT AS PRIME CONTRACTORS OR AS PARTNERS IN OTHER JOINT VENTURES

	NON-AFFIRMABLE JOINT VENTURE PARTNERS	PARTNER NAME
a.		
b.		
c.		
d.		
e.		

	AFFIRMABLE JOINT VENTURE PARTNERS	PARTNER NAME
a.		
b.		
c.		
d.		
e.		

7. CONTROL AND PARTICIPATION IN THE JOINT VENTURE

(Identify by name and firm those individuals who are, or will be, responsible for, and have authority to engage in the relevant management functions and policy and decision making, indicating any limitations in their authority e.g. co-signature requirements and Rand limits).

a) Joint Venture cheque signing

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

b) Authority to enter into contracts on behalf of the Joint Venture

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

c) Signing, co-signing and/or collateralising of loans

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

d) Acquisition of lines of credit

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

e) Acquisition of performance bonds

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

f) Negotiating and signing labour agreements

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

8. MANAGEMENT OF CONTRACT PERFORMANCE

(Fill in the name and firm of the responsible person).

a) Supervision of field operations

.....

b) Major purchasing

.....

c) Estimating

.....

d) Technical management

.....

9. MANAGEMENT AND CONTROL OF JOINT VENTURE

a) Identify the “managing partner”, if any,

.....

.....

.....

.....

b) What authority does each partner have to commit or obligate the other to financial institutions, insurance companies, suppliers, subcontractors and/or other parties participating in the execution of the contemplated works?

.....

.....

.....

.....

c) Describe the management structure for the Joint Venture’s work under the contract

MANAGEMENT FUNCTION / DESIGNATION	NAME	PARTNER*

(Fill in “ex Affirmable Joint Venture Partner” or “ex non-Affirmable Joint Venture Partner”).

10. PERSONNEL

- a) State the approximate number of operative personnel (by trade/function/discipline) needed to perform the Joint Venture work under the Contract.

TRADE/FUNCTION/DISCIPLINE	NUMBER EX AFFIRMABLE JOINT VENTURE PARTNERS	NUMBER EX NONAFFIRMABLE JOINT VENTURE PARTNERS

(Fill in “ex Affirmable Joint Venture Partner” or “ex non-Affirmable Joint Venture Partner”).

- b) Number of operative personnel to be employed on the Contract who are currently in the employ of partners.

- (i) Number currently employed by Affirmable Joint Venture Partners

.....

- (ii) Number currently employed by the Joint Venture

.....

- c) Number of operative personnel who are not currently in the employ of the respective partner and will be engaged on the project by the Joint Venture

.....

- d) Name of individual(s) who will be responsible for hiring Joint Venture employees

.....

.....

- e) Name of partner who will be responsible for the preparation of Joint Venture payrolls

.....

.....

11. CONTROL AND STRUCTURE OF THE JOINT VENTURE

Briefly describe the manner in which the Joint Venture is structured and controlled.

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

The undersigned warrants that he/she is duly authorised to sign this Joint Venture Disclosure Form and affirms that the foregoing statements are true and correct and include all material information necessary to identify and explain the terms and operations of the Joint Venture and the intended participation of each partner in the undertaking.

The undersigned further covenants and agrees to provide the Employer with complete and accurate information regarding actual Joint Venture work and the payment therefore, and any proposed changes in any provisions of the Joint Venture agreement, and to permit the audit and examination of the books, records and files of the Joint Venture, or those of each partner relevant to the Joint Venture, by duly authorised representatives of the Employer.

Signature.....

Duly authorised to sign on behalf of

Name.....

Address.....

Telephone.....

Date.....

Signature.....

Duly authorised to sign on behalf of.....

Name.....

Address.....

Telephone.....

Date.....

Signature.....

Duly authorised to sign on behalf of.....

Name.....

Address.....

Telephone.....

Date.....

Signature.....

Duly authorised to sign on behalf of.....

Name.....

Address.....

Telephone.....

Date.....

C2: SCHEDULE OF CURRENT COMMITMENTS

[NOTES to Tenderer:

1. The Tenderer shall list below all Contracts currently under construction or awarded and about to commence and Tenders for which offers have been submitted but awards not yet made.
2. In the event of a joint venture enterprise, details of all the members of the joint venture shall similarly be attached to this form.
3. The lists must be restricted to not more than 20 Contracts and 20 Tenders. If a Tenderer's actual commitments or potential commitments are greater than 20 each, those listed should be in descending order of expected final contract value or sum tendered.]

Table 1 Contracts awarded				
Client	Project	Expected total value of contract (incl. VAT)	Duration (Months)	Expected completion date

Table 2 TENDERS NOT YET AWARDED				
Client	Project	Sum Tendered (incl. VAT)	Tendered Duration (Months)	Expected commencement

NAME: POSITION:

SIGNATURE: DATE:

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

FORMS FOR FUNCTIONALITY POINTS

C3.1: SCHEDULE OF WORK CARRIED OUT BY TENDERER

[NOTE: Each partner to a Joint Venture is to provide the information required below with respect to his company's contribution to the experience of the Joint Venture]

The Tenderer shall list below the last ten civil engineering contracts of a similar nature awarded to him. This information is material to the award of the Contract.

EMPLOYER (Name, Tel and Fax number)	CONSULTING ENGINEER (Name, Tel and Fax number)	NATURE OF WORK (Brief summary with special mention of similarities with this project and Functionality Criteria)	VALUE OF WORK	YEAR OF COMPLETION

NAME: POSITION:

SIGNATURE: DATE:

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

C3.2: SCHEDULE OF PLANT AND EQUIPMENT

Each partner to a joint Venture is to provide the information required below with respect to his company's contribution to the plant and equipment resourcing of the Joint Venture.

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract if my / our tender is accepted.

(a) Details of major equipment that is owned by me / us and immediately available for this contract.

DESCRIPTION (type, size, capacity etc.)	QUANTITY	YEAR OF MANUFACTURE

Attach additional pages if more space is required

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

DESCRIPTION (type, size, capacity etc.)	QUANTITY	HOW ACQUIRED	
		HIRE/BUY	SOURCE

Attach additional pages if more space is required

The Tenderer undertakes to bring onto site without additional cost to the Employer any additional plant not listed but which may be necessary to complete the contract within the specified contract period.

NAME: POSITION:

SIGNATURE: DATE:

(of person authorised to sign on behalf of the tenderer)

C3.3: PROPOSED KEY PERSONNEL

The Tenderer shall list below the key personnel (including first nominee and the second choice alternate), whom he proposes to employ on the Contract should his Tender be accepted, both at his headquarters and on the Site, to direct and for the execution of the work, together with their qualifications, experience, positions held and their nationalities. Form A3 will be used to evaluate the functionality of the submission. An organogram and employee CV's need to be appended to this form

DESIGNATION	NAME AND NATIONALITY OF: (i) NOMINEE (ii) ALTERNATE	SUMMARY OF QUALIFICATIONS, EXPERIENCE AND PRESENT OCCUPATION
<u>HEADQUARTERS</u> Contracts manager		
<u>SITE OFFICE</u> Site Agent Construction supervisor		

CURRICULUM VITAE OF KEY PERSONNEL (CONTRACTS MANAGER)
FILL IN TEMPLATE CV AND ATTACH CERTIFIED QUALIFICATIONS AND CERTIFICATES HERE

Designation:	
Name:	Date of birth:
Profession:	Nationality:
Certified copies of relevant Qualifications:	
Professional registration number (if applicable):	
Name of current employer (in not employed by tendering firm):	
Current position:	Years with firm:
Employment Record:	
Experience record relevant to this tender:	

Certification by Key Personnel:

I, the undersigned, _____ certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

SIGNATURE: DATE:

NAME: POSITION:

SIGNATURE: DATE:

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

CURRICULUM VITAE OF KEY PERSONNEL (SITE AGENT)
FILL IN TEMPLATE CV AND ATTACH CERTIFIED QUALIFICATIONS AND CERTIFICATES HERE

Designation:	
Name:	Date of birth:
Profession:	Nationality:
Certified copies of relevant Qualifications:	
Professional registration number (if applicable):	
Name of current employer (in not employed by tendering firm):	
Current position:	Years with firm:
Employment Record:	
Experience record relevant to this tender:	

Certification by Key Personnel:

I, the undersigned, _____ certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

SIGNATURE: DATE:

NAME: POSITION:

SIGNATURE: DATE:

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

**CURRICULUM VITAE OF KEY PERSONNEL (CONSTRUCTION SUPERVISOR)
 FILL IN TEMPLATE CV AND ATTACH CERTIFIED QUALIFICATIONS AND CERTIFICATES HERE**

Designation:		
Name:	Date of birth:	
Profession:	Nationality:	
Certified copies of relevant Qualifications:		
Professional registration number (if applicable):		
Name of current employer (in not employed by tendering firm):		
Current position:	Years with firm:	
Employment Record:		
Experience record relevant to this tender:		

Certification by Key Personnel:

I, the undersigned, _____ certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

SIGNATURE: DATE:

NAME: POSITION:

SIGNATURE: DATE:

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

C3.4: QUALITY CONTROL PLAN

[The Tenderer shall attach the required document here.]

The Quality Control Plan must detail the following to get full points:

1. Tenderer's proposed methodology for the works,
2. Health and safety management plan, and
3. Quality control measures (testing, inspections, technical query management and project reporting).
4. Contractor is certified as with the Quality Management System to ISO9001:2008 or 2015 standard and has attached a certified copy of the certification.

(5 pages maximum)

Good: Quality Control Plan lists and discusses the headings above and the contractor has a certified Quality Management System to ISO9001:2008 or 2015 standards.

Acceptable: Quality Control Plan lists and discusses **three** of the headings above.

Fair: Quality Control Plan lists and discusses less than three of the headings above.

No submission: Quality Control Plan is not related to the required information or is not submitted.

FAILURE TO SUBMIT THIS DOCUMENT WILL RESULT IN NO POINTS BEING AWARDED

C3.5: COMPUSLORY SUBCONTRACTING

In accordance with clause 2 (1) (a) (ii) of the approved Supply Chain Management Policy of Dr Nkosazana Dlamini Zuma Municipality, the compulsory subcontracting shall apply as follows;

- (i) Sub-contracting a minimum of 30 % on all contracts with a value from R5 000 000 and above to local black emerging contractor(s), local youth emerging contractor(s) inclusive of women and contractors of disabled people and co-operatives.
- (ii) Sub-contracting a minimum of 5% to local black emerging contractor(s), local youth emerging contractor(s) inclusive of women and contractors of disabled people and co-operatives on contracts below R5 million may be negotiated

Proof of subcontractor's appointments must be provided to the Municipality within a period of 30 days from commencement of the contract; the following is compulsory

- Appointment letter
- Employment Contract

NB: A list of subcontractors meeting a pre-qualifying criteria will be provided to the main contractor by the municipality. The selection criteria must be fair, transparent, and equitable as practical as possible.

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

C3.6: EPWP Requirements

a. Schedule of Labour Content

The tenderer must complete a standard table reflecting the labour force anticipated to be employed on this contract, including labour employed by sub-contractors. The Specified target value is %

Type of Labour	Man-Days	Minimum Wage Rate per unit	Total Wage Cost (Excl. VAT)
Permanent Staff			
Temporary Staff			
SMME/HDEs Labour			
Total			
Percentage			

[NOTES:

- (1) Labour is defined as hourly paid personal
- (2) The penalty for non-compliance during the contract or fraudulent disclosure is discussed in CONTRACT DATA section.]

b. Name of Training Institution

Name of Programme

Trainers Name	Qualification	Subject

[Notes:

- (1) Provide details here, or attached hereto, the subjects to be covered and the manner in which training is to be delivered.]

C4: CERTIFICATE FOR INSURANCE COVER

[NOTE: In the event of the Tenderer being a joint venture/consortium, the details of the individual members must also be provided.]

The Tenderer shall provide the following details of this insurance cover:

i) Name of Tenderer:

ii) Period of Validity:

iii) Value of Insurance:

- Insurance for Works and Contractor's equipment

Company:

Value:

- Insurance for Contractor's personnel

Company:

Value:

- General public liability

Company:

Value:

- SASRIA

Company:

Value:

C5: PRELIMINARY CONSTRUCTION PROGRAMME (FOR INFORMATION PURPOSES ONLY)

The Tenderer shall attach a preliminary programme, to this Form.

This programme shall:

- be in the form of a bar chart (Gantt chart) or similar acceptable time/activity form reflecting the proposed sequence and tempo of execution of the various activities and the quantities that will be carried out every week under each of the elements, comprising the work for this contract;
- also indicate the point where the Tenderer intends to commence work operations and the direction in which the work will proceed;
- be in accordance with the information provided in Form C3.2: Schedule of plant and equipment, Form B5: Estimated monthly expenditure, and with all other aspects of the Tender; and
- indicate planned working hours.

[NOTE: The programme must be based on the completion time as specified in the Contract Data. No other completion time that may be indicated on this programme will be regarded as an alternative offer, unless it is listed in Table (b) of Form I hereafter and supported by a detailed statement to that effect, all as specified in the Tender Data]

NAME: POSITION:

SIGNATURE: DATE:

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

C6 ESTIMATED MONTHLY EXPENDITURE

The Tenderer shall state below the estimated value of work to be completed every month, based on his preliminary programme and his tendered unit rates.

The amount for contingencies must not be included.

MONTH	VALUE
1	R
2	R
3	R
4	R
5	R
6	R COMPLETION OF CONTRACT
TOTAL	R

NAME: POSITION:

SIGNATURE: DATE:

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

C7: COMPULSORY ENTERPRISE QUESTIONNAIRE

The following must be furnished; in the case of a joint venture, **separate** enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 6: Record of service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- | | |
|--|---|
| <input type="checkbox"/> a member of any municipal council | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | |
| <input type="checkbox"/> an official of any municipality or municipal entity | |

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		current	Within last 12 months

*insert separate page if necessary

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

- | | |
|--|---|
| <input type="checkbox"/> a member of any municipal council | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature entity |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | |
| <input type="checkbox"/> an official of any municipality or municipal entity | |

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		current	Within last 12 months

*insert separate page if necessary

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- (a) iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct;

NAME: POSITION:

SIGNATURE: DATE:

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

THE CONTRACT

C1: AGREEMENTS AND CONTRACT DATA

C2: PRICING DATA

C3: SCOPE OF WORK

C4: SITE INFORMATION

TABLE OF CONTENTS

	PAGE NO.
C1: AGREEMENTS AND CONTRACT DATA	2
C1.1: FORM OF OFFER AND ACCEPTANCE	2
C1.2: CONTRACT DATA	9
C1.3: PERFORMANCE GUARANTEE	12
C1.4: DISCLOSURE STATEMENT	15
C1.5: ADJUDICATION BOARD MEMBER AGREEMENT	16
C1.6: RETENTION MONEY GUARANTEE (PRO FORMA)	18
C1.7: AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT No 85 OF 1993	20
C1.8: WAIVER OF LIEN	22

C1: AGREEMENTS AND CONTRACT DATA

C1.1: FORM OF OFFER AND ACCEPTANCE

A: Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

.....

The Tenderer, identified in the Offer signature block below, has examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be du

I authorised, 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.

For the Tenderer:

Signature:

Name:

Capacity:

Name and address of organisation:

.....

.....

.....

Signature and name of witness:

Signature:

Name:

Date: ,

B: 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 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, which must be duly signed by the authorised representative(s) of both parties.

The Tenderer shall within two weeks after receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data at, or just after, the date this Agreement comes into effect. 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 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.

For the Employer:

Signature:

Name:

Capacity:

Name and address of organisation:

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

Signature and name of witness:

Signature:

Name:

Date:

C: 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

By the duly authorised representatives signing this Schedule of Deviations, 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 change 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.

For the Tenderer:

For the Employer:

..... **Signature**

..... **Name**

..... **Capacity**

Name and address of organisation:

Name and address of organisation:

.....

.....

.....

.....

.....

.....

..... **Witness signature**

..... **Witness name**

..... **Date**

D: 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:

C1.2: CONTRACT DATA

C1.2.1: GENERAL CONDITIONS OF CONTRACT

The JBCC Series 2000 Principal Building Agreement (July 2007 edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, ammended as hereinafter described.

The ASAQS 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.

Copies of these conditions of contract can 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;)

Contractors are referred to the abovementioned documents for the full intent and meaning of each clause thereof.

Where any item is not relevant to this specific contract 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

C1.2.2: CONTRACT DATA PROVIDED BY EMPLOYER

CONTRACT No.: PWBS-: B003/21/22

**CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY EMERGENCY SERVICE
CENTRE**

[Refer to attached Overleaf]

CONTRACT DATA - EMPLOYER

1.0 CONTRACTING AND OTHER PARTIES

1.1 **Employer** _____
Postal address _____
_____ Code _____

Tel _____ Fax _____ E-mail _____

Tax / VAT registration No

[1.2] Physical address _____

1.2 **Principal Agent** _____
[5.1] Postal address _____
_____ Code _____

Tel _____ Fax _____ E-mail _____

1.3 **Agent (1)** _____
[5.2] **Agent's service** _____
Postal address _____
_____ Code _____

Tel _____ Fax _____ E-mail _____

1.4 **Agent (2)** _____
[5.2] **Agent's service** _____
Postal address _____
_____ Code _____

Tel _____ Fax _____ E-mail _____

1.5 **Agent (3)** _____
[5.2] **Agent's service** _____
Postal address _____
_____ Code _____

Tel _____ Fax _____ E-mail _____

1.6 **Agent (4)** _____
[5.2] **Agent's service** _____
Postal address _____
_____ Code _____

Tel _____ Fax _____ E-mail _____

1.7 [5.2] **Agent (5)** _____
Agent's service _____
Postal address _____
_____ Code _____
Tel _____ Fax _____ E-mail _____

1.8 [5.2] **Agent (6)** _____
Agent's service _____
Postal address _____
_____ Code _____
Tel _____ Fax _____ E-mail _____

1.9 [5.5] Interest of **principal agent** or other **agents** in the project (yes/no)
Details where "yes" _____

1.10 The **principal agent** named in 1.2 above is responsible for the preparation of the **contract data** schedule and must be contacted should the **contractor** be uncertain of the information provided or to be provided. Failure to complete the **contract data** schedule in full may result in the tender being disqualified

2.0 CONTRACT AND SITE INFORMATION

2.1 [1.7] The **law** applicable to this **agreement** (country/state)

2.2 [1.1] **Works** identification _____

2.3 [1.1] **Site** description _____

2.4 [15.2.1] Possession of the **site** is to be given on (date)

2.5 Period for the commencement of the **works** after
[15.3] the **contractor** takes possession of the **site** (working days)

2.6 Completion of the works in **sections** is required
[15.4, 28.0] (yes/no) (N° of sections)

2.7 Waiver of the **contractor's** lien or right of continuing possession is required
[3.3, 31.16.2] (yes/no)

2.8 Defined restrictions to the **site** area. Where "yes" the specific requirements are
[16.1] described below or detailed in the **contract documents** (yes/no)

2.9 Geotechnic investigation of the **site** has been undertaken
[16.4] Where "yes" results are included in the **contract documents** (yes/no)

2.10 Existing premises will be occupied. Where "yes" the specific requirements
[16.6] are described below or detailed in the **contract documents** (yes/no)

2.11 Provision of temporary services is required. Where "yes" the specific requirements
[16.7] are described below or detailed in the **contract documents** (yes/no)

2.11.1 Water Option A **Contractor** - his cost
Option B **Employer** - free of charge
Option C **Employer** - metered (**contractor** cost) (A, B or C)

2.11.2 Electricity Option A **Contractor** - his cost
Option B **Employer** - free of charge
Option C **Employer** - metered (**contractor** cost) (A, B or C)

2.11.3 Telecom Option A **Contractor** - his cost
Option B **Employer** - free of charge
Option C **Employer** - metered (**contractor** cost) (A, B or C)

2.11.4 Ablutions Option A **Contractor** - his cost
Option B **Employer** - free of charge (A or B)

2.12 Protection of existing trees and shrubs is required
[16.8] Where "yes" the specific requirements are described below or detailed in the
contract documents (yes/no)

3.0 INSURANCES AND SECURITIES

3.1 Contract works insurance to be effected by
 [10.1.1, 12.6] (Employer/Contractor)

For the sum of (amount)

With a deductible of (amount)

3.2 Supplementary/Special insurance to be effected by
 [10.1.2, 11.1-3, 12.6] (Employer/Contractor)

For the sum of (amount)

With a deductible of (amount)

3.3 Public liability insurance to be effected by
 [10.1.3, 12.6] (Employer/Contractor)

For the sum of (amount)

With a deductible of (amount)

3.4 Support insurance to be effected by the **employer**
 [11.1.1]

For the sum of (amount)

With a deductible of (amount)

3.5 Special insurance to be effected by
 [11.1.2-3, 12.1] (Employer/Contractor)

Type _____

For the sum of (amount)

With a deductible of (amount)

4.0 PRACTICAL COMPLETION DATES AND PENALTIES

4.1 For the **works** as a whole:
 [24.3.1] The date for **practical completion**
 [30.1-3] and the **penalty per calendar day**

	Date	Penalty amount
	<input type="text"/>	<input type="text"/>

or

4.2 For the **works** in **sections**:
 [24.3.1] The date for **practical completion**
 [28.1] and the penalty per **calendar day**

	Date	Penalty amount
Section 1	<input type="text"/>	<input type="text"/>
Section 2	<input type="text"/>	<input type="text"/>
Section 3	<input type="text"/>	<input type="text"/>
Section 4	<input type="text"/>	<input type="text"/>
Section 5	<input type="text"/>	<input type="text"/>
Section 6	<input type="text"/>	<input type="text"/>
Section 7	<input type="text"/>	<input type="text"/>
Section 8	<input type="text"/>	<input type="text"/>

PART 2: DATA PROVIDED BY THE CONTRACTOR

[Refer to attached Overleaf]

CONTRACT DATA - CONTRACTOR

1.0 CONTRACTING PARTY

1.1 **Contractor** _____
Postal address _____
_____ Code _____
Tel _____ Fax _____ E-mail _____
Tax / VAT registration No
[1.2] Physical address _____
_____ Tel _____ Fax _____ E-mail _____

2.0 SECURITIES

2.1 The security provisions selected are:

2.1.1 Variable Construction Guarantee (yes/no)
[14.3]

2.1.2 Fixed Construction Guarantee and Payment Reduction (yes/no)
[14.4]

2.1.3 Advanced Payment is required. Where "Yes" (Amount)
[14.5]

2.1.4 An Advance Payment Guarantee to be provided (yes/no)
[14.5]

3.0 PAYMENT AND ADJUSTMENT OF PRELIMINARIES

3.1 **Payment of preliminaries**
The payment of preliminaries shall be according to the option selected by the **contractor**. The amount included in each monthly **payment certificate** in respect of preliminaries as stated in the **contract data** shall be:

3.1.1 **Option A**
Assessed by the **principal agent** as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the **contract sum** excluding:

- The amount for preliminaries
- Any contingency sum
- Any amount in respect of **CPAP**

All inclusive of **tax**

3.1.2 **Option B**
Calculated from the priced items in the **bills of quantities/lump sum document**. The **contractor** and the **principal agent** shall agree on a division of the priced preliminaries items into:

- An initial or establishment charge
- A monthly charge
- A final or disestablishment charge

All inclusive of **tax**

In arriving at such a division cognisance shall be taken of such factors as:

- Premiums for annually renewable insurance policies
- Plant, scaffolding and the like remaining the property of the **contractor** or the hiring company and the capital costs thereof not treated as part of the initial charge

Where the initial **construction period** is extended the monthly charge shall be recalculated on the same basis as was originally applied but taking into account the revised **construction period** and the amounts already paid to the **contractor**

Should the **contractor** and the **principal agent** be unable to agree such division then the **principal agent** shall make a division of the amount of preliminaries to be incorporated in the valuations for each monthly **payment certificate**

3.2 **Adjustment of preliminaries**

The amount or items of preliminaries shall be adjusted to take account of the theoretical financial effect which changes in time and/or value have on preliminaries. Such an adjustment shall be based on the particulars provided by the **contractor** for this purpose in terms of Option A or B and shall preclude any further adjustment of preliminaries

Adjustment of preliminaries in terms of Options A or B shall apply notwithstanding the actual employment of resources by the **contractor** in the execution of the **works**. The adjustment of preliminaries shall be based on the option as selected in the **contractor's** tender

For the adjustment of the preliminaries both the **contract sum** and the **contract value** shall exclude:

- The amount of preliminaries
- Any contingency sum
- Any amount in respect of **CPAP**

All inclusive of **tax**

3.2.1 **Option A**

The amount of preliminaries shall be adjusted in the following categories:

- An amount which shall not be varied
- An amount which shall be varied in proportion to the **contract value** as compared with the **contract sum**
- An amount which shall be varied in proportion to the **construction period** as compared to the initial **construction period** excluding revisions to the **construction period** for which the **contractor** is not entitled to adjustment of the **contract value** in terms of the **agreement**

The **contractor** shall, within fifteen (15) working days of taking possession of the **site**, give the **principal agent** a breakdown, subdivided into the above categories, of the amount for preliminaries in tabulated form, all to the satisfaction of the **principal agent**

Should the **contractor** fail to provide such information within the period stipulated then the amount for preliminaries shall be deemed to be subdivided into the following proportions:

- 10% (ten per cent) which amount shall not be varied
- 15% (fifteen per cent) which amount shall be varied in proportion to the **contract value** as compared with the **contract sum**
- 75% (seventy-five per cent) which amount shall be varied in proportion to the **construction period** as compared with the initial **construction period**

For a lump sum document, should the contractor fail to identify the amount for preliminaries, then such an amount shall be deemed to be 7,5% (seven and a half per cent) of the contract sum excluding:

- Any contingency sum
- Any amount in respect of **CPAP**

All inclusive of **tax**

Where sectional completion is required in terms of the agreement, the contractor shall provide the **principal agent** with the division of the above categorised amounts into sections. Should the **contractor** fail to provide such information within the period stipulated the categorised amounts shall be prorated to the value of each section

3.2.2 **Option B**

The **contractor** shall, within fifteen (15) **working days** of taking possession of the site, provide the **principal agent** with a detailed breakdown of the amount for preliminaries. This breakdown shall set out, among others, full particulars of administrative, supervisory and other personnel, plant, transport and other resources and charges included in the amount for preliminaries. The **contractor** shall show the periods to which the individual items relate with the charge rate for such items by means of a **programme** all to the satisfaction of the **principal agent**

Where sectional completion is required in terms of the **agreement**, the **contractor** shall provide the **principal agent** with details of the resources required for each section and those that are common to sections. Should the **contractor** fail to provide such information within the period stipulated, Option A shall apply

3.2.3 **Payment certificate cash flow**

The **contractor** shall provide all reasonable assistance to the **principal agent** in the preparation of cash flow projections of claims for **payment certificates** where required by the **employer**. The projections shall be based on the **programme** and shall be updated as

and when the **programme** requires updating. The cooperation of the **contractor** in terms of this item shall not prejudice his right to receive payment in terms of the **agreement**

3.2.4 The **contract value** shall be adjusted according **CPAP**[3.1] (yes/no)

3.2.5 Payment of preliminaries [3.1.1-2] (A or B)

3.2.6 Adjustment of preliminaries [3.2.1-2] (A or B)

4.0 EMPLOYER CHANGES TO JBCC STANDARD DOCUMENTS

4.1 Changes (if any) in terms of the Employer's Contract Data are accepted [3.11] (Yes or No)
 Where "No" an addendum referenced to this clause is to be attached

5.0 THE TENDER

5.1 This tender is to be submitted to the principal agent at the street address provided in the invitation to tender before the tender closing date and time stated therein

5.2 By the submission of this tender to the **employer** the tenderer offers and agrees to contract for, execute and complete the **works** for the tender sum as stated below

5.3 Tenders will be opened in public directly after the stated closing time. Only the total tender sum as stated in each tender will be announced

5.4 The lowest or any tender will not necessarily be accepted

5.5 This tender shall remain in full legal force for thirty (30) **calendar days**. The tenderer accepts liability for damages as may be suffered by the **employer** should the tender validity period not be honoured

5.6 This tender takes into account all listed items [4.0] for the purpose of preparing and submitting this tender

5.7 The successful tenderer will be appointed in terms of the JBCC Principal Building Agreement

5.8 TENDER SUM COMPILATION **Amount**

5.8.1 Tenderer's work including **prime cost amounts**

5.8.2 **Employer allowances** stated by the **principal agent**

5.8.3 **SUB TOTAL**

5.8.4 *Add tax* on 5.8.3

5.8.5 **TOTAL TENDER SUM inclusive of tax**

5.8.6 Tender Sum in words

Thus done and signed at _____ on _____

 Name of signatory

 Capacity of authorised signatory

 As witness

 for and on behalf of the tenderer who warrants authorisation hereto

C1.3: PERFORMANCE GUARANTEE

General Conditions of Contract for Construction Works, Third Edition (2015)

PRO FORMA PERFORMANCE GUARANTEE

For use with the General Conditions of Contract for Construction Works, Third Edition (2015).

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means:

Physical address:

"Employer" means:

"Contractor" means:

"Employer's Agent" means:
.....

"Works" means:

"Site" means:

"Contract" means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

"Contract Sum" means: The accepted amount inclusive of tax of R

Amount in words:

"Guaranteed Sum" means: The maximum aggregate amount of R

Amount in words:

Type of Performance Guarantee: (*Insert Variable or Fixed*)

"Expiry Date" means: (*Give date*) or any other later date set by the Contractor and/or Employer provided such instruction is received prior to the Expiry Date as indicated here.

CONTRACT DETAILS

Employer's Agent issues: Interim Payment Certificates, Final Payment Certificate and the Certificate of Completion of the Works as defined in the Contract.

1. VARIABLE PERFORMANCE GUARANTEE

1.1 Where a Variable Performance Guarantee has been selected, the Guarantor's liability shall be limited during the following periods to diminishing amounts of the Guaranteed Sum as follows:

1.1.1 From and including the date of signing the Performance Guarantee up to and including the date of the interim payment certificate certifying, for the first time, more than 50% of the Contract Sum:

R.....

(Amount in words)

1.1.2 From the day following the date of the said interim payment certificate up to and including the Expiry Date, or the date of issue by the Employer's Agent of the Certificate of Completion of the Works, whichever occurs first:

R.....

(Amount in words)

- 1.2 The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the interim payment certificate certifying, for the first time, more than 50% of the Contract Sum, has been issued and the date on which the Certificate of Completion of the Works has been issued.

2. FIXED PERFORMANCE GUARANTEE

- 2.1 Where a Fixed Performance Guarantee has been selected, the Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
- 2.2 The Guarantor's period of liability shall be from and including the date on which the Performance Guarantee is signed, up to and including the Expiry Date, or the date of issue by the Employer's Agent of the Certificate of Completion of the Works, or the date of payment in full of the Guaranteed Sum, whichever occurs first.
- 2.3 The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.

3. CONDITIONS APPLICABLE TO VARIABLE AND FIXED PERFORMANCE GUARANTEES

- 3.1 The Guarantor hereby acknowledges that:
- 3.1.1 Any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a surety ship.
- 3.1.2 Its obligation under this Performance Guarantee is restricted to the payment of money.
- 3.2 Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 3.2.1 to 3.2.3:
- 3.2.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 3.2.2;
- 3.2.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 3.2.1 and the sum certified has still not been paid;
- 3.2.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 3.2.
- 3.3 Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
- 3.3.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 3.3; or
- 3.3.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 3.3; and
- 3.3.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
- 3.4 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 3.2 and 3.3 shall not exceed the Guarantor's maximum liability in terms of 1.1 or 2.1.

- 3.5 Where the Guarantor has made payment in terms of 3.3, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 3.6 Payment by the Guarantor in terms of 3.2 or 3.3 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 3.7 Payment by the Guarantor in terms of 3.3 will only be made against the return of the original Performance Guarantee by the Employer.
- 3.8 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may consider fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 3.9 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 3.10 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 1.1.2 or 2.2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 3.11 This Performance Guarantee, with the required demand notices in terms of 3.2 or 3.3, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 3.12 Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrates' Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1)

Witness signatory (2)

C1.4: DISCLOSURE STATEMENT

General Conditions of Contract for Construction Works, Third Edition (2015)

PRO FORMA

Please note that words in italics within brackets are items which should be stated.

(Date):

Contract:

Contractor:

Employer: DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY

Employer's Agent: FMA ENGINEERS (PTY) LTD

Dear Sirs

I am willing and available to serve as (*ad-hoc/standing*) Adjudication Board Member in the above-mentioned Contract.

In accordance with the General Conditions of Contract for Construction Works' Adjudication Board Rules relating to disclosure statements by selected or nominated persons to the adjudication, I hereby state that:

- I shall act with complete impartiality and know of nothing at this time, which could affect my impartiality.
- I have had no previous involvement with this project.
- I do not have any financial interest in this project.
- I am not currently employed by the Contractor, Employer or Employer's Agent.
- I do not have any financial connections with the Contractor, Employer or Employer's Agent.
- I do not have or have not had a personal relationship with any authoritative member of the Contractor, Employer or the Employer's Agent which could affect my impartiality.
- I undertake to immediately disclose to the parties any changes in the above position which could affect my impartiality or be perceived to affect same.

Should there be any deviation from the foregoing statements, details shall be given.

I further declare that I am experienced in the work which is carried out under the Contract and in interpreting contract documentation.

Name in full:

Signature:

C1.5: ADJUDICATION BOARD MEMBER AGREEMENT

General Conditions of Contract for Construction Works, Third Edition (2015)

PRO FORMA

Please note that words in italics within brackets are items which should be stated.

This Agreement is entered into between:

Adjudication Board Member:

Name

Physical address

Postal address

E-mail address

Fax number

Telephone number

Contractor:

Name

Physical address

Postal address

E-mail address

Fax number

Telephone number

The Contractor and the Employer will hereinafter be collectively referred to as the Parties.

The Parties entered into a Contract for *CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY EMERGENCY SERVICES CENTRE* which provides that a dispute under or in connection with the General Conditions of Contract for Construction Works, Third Edition (2015) must be referred to (*ad-hoc adjudication/standing adjudication*).

The undersigned natural person has been appointed to serve as Adjudication Board Member and together with the undersigned Parties agree as follows:

05

1. The Adjudication Board Member accepts to perform his duties in accordance with the terms of the Contract, the General Conditions of Contract for Construction Works' Adjudication Board Rules and this Agreement.
2. The Adjudicator undertakes to remain independent and impartial of the Contractor, Employer and Employer's Agent for the duration of the Adjudication Board proceedings.

3. The Adjudication Board Member agrees to serve for the duration of the Adjudication Board proceedings.
4. The Parties may at any time, without cause and with immediate effect, jointly terminate this Agreement.
5. Unless the Parties agree, the Adjudication Board Member shall not act as arbitrator or representative of either Party in any subsequent proceedings between the Parties under the Contract. No Party may call the Adjudication Board Member as a witness in any such subsequent proceedings.
6. The standing Adjudication Board's duties shall end upon the Adjudication Board Member(s) receiving notice from the Parties of their joint decision to disband the Adjudication Board.
7. The Adjudication Board Member shall be paid in respect of time spent upon or in connection with the adjudication including time spent traveling:
 - 7.1 A monthly retainer of.....for of months, and/or
 - 7.2 A daily fee of based on a hour day, and/or
 - 7.3 An hourly fee of and/or
 - 7.4 A non-recurrent appointment fee of which shall be accounted for in the final sums payable.
8. The Adjudication Board Member's expenses incurred in adjudication work shall be reimbursed at cost.

On submission of an invoice for fees and expenses to the Parties, the Parties shall pay the full amount within 28 days of receipt of the invoice. Late payment of such invoice shall attract interest at prime plus 3% points compounded monthly at the prime rate charged by the Adjudication Board Member's bank.

This Agreement is entered into by:

Contractor's signature:

Contractor's name:

Place:

Date:

Employer's signature:

Employer's name:

Place:

Date:

Adjudication Board Member's signature:

Adjudication Board Member's name:

Place:

Date:

C1.6: RETENTION MONEY GUARANTEE (PRO FORMA)

ISSUED TO hereinafter called "the Employer")

ON BEHALF OF [insert name of contractor]
(hereinafter called "the Contractor")

in connection with CONTRACT No.: PWBS-: B003/21/22 CONSTRUCTION OF DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY EMERGENCY SERVICE CENTRE (hereinafter called "the Contract").

WHEREAS the Employer and the Contractor have agreed that the Contractor may provide a guarantee in lieu of the whole or a portion of the retention moneys provided for under the Contract;

NOW THEREFORE we, the undersigned, undertake, in accordance with the following provisions, to pay to the Employer such amounts as the Employer may, from time to time, demand from us.

1 Each demand by the Employer shall be in writing, signed by the Employer and delivered to us at

[INSERT GUARANTOR'S FULL STREET
ADDRESS].....

..... or such other address in

[INSERT NAME OF COUNTRY] as we shall in writing notify to the Employer
and shall be accompanied by a certificate complying with Clause 2, signed by the Engineer in office as such
in terms of the Contract.

2 The Engineer's certificates referred to in Clause 1 shall certify that:

- (a) he is the Engineer in office as such in terms of the Contract,
- (b) the Contractor is in breach of his obligations under the Contract, and
- (c) the amount demanded, which amount the certificate shall specify, does not exceed
 - (i) the amount of retention moneys which, but for this guarantee, would have been retained by the Employer in terms of the Contract at the date of the certificate, less the aggregate of the amounts of retention money retained by the Employer and the amounts previously paid by us to the Employer in terms hereof,
 - (ii) a genuine estimate of the cost to the Employer of having the breach referred to in paragraph (b) remedied less the aggregate of any amounts withheld by the Employer from payments due to the Contractor in terms of the Contract by reason of the breach referred to, and any amount of retention money actually held by the Employer save to the extent that the same had been deducted from any previous demand in terms hereof;

- 3 We shall within fourteen (14) days after our receipt of a demand complying with the provisions in Clauses 1 and 2 make payment to the Employer of the amount demanded at the employer's address as listed in the contract data or at such other address in the Republic of South Africa as the Employer shall in writing notify to us.
- 4 Subject to compliance with the provisions hereof, our liability to make the payments herein referred to shall be unconditional and shall not be affected or diminished by any disputes, claims or counterclaims between the Employer and the Contractor.
- 5 Our aggregate liability under this guarantee is limited to

..... (R)
- 6 This guarantee shall expire on the date on which the last of the retention moneys, which but for this guarantee would have been retained by the Employer, becomes payable to the Contractor.
- 7 This guarantee is not transferable and must be produced for endorsement if any part payment is made 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 6, whichever is the earlier.

Signed in the presence of the subscribing witnesses:

At for and on behalf of

on this the day of 20.....

SIGNATURE :

CAPACITY :

ADDRESS :

:

:

AS WITNESSES: 1

2

C1.7: AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT No 85 OF 1993

THIS AGREEMENT is made between DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY (hereinafter called the

EMPLOYER) of the one part, herein represented by:

.....
in his capacity as:

AND:

(hereinafter called the CONTRACTOR) of the other part, herein represented by

.....
in his capacity as:

duly authorized to sign on behalf of the Contractor.

WHEREAS the CONTRACTOR is the Mandatory of the EMPLOYER in consequence of an agreement between the CONTRACTOR and the EMPLOYER in respect of

CONTRACT No: (CONTRACT TITLE)

..... for the
construction, completion and maintenance of the works;

AND WHEREAS the EMPLOYER and the CONTRACTOR have agreed to enter into an agreement in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act No 85 of 1993, as amended by OHS Act Amendment Act No 181/1993 (hereinafter referred to as the ACT);

NOW THEREFORE the parties agree as follows:

1. The CONTRACTOR undertakes to acquaint the appropriate officials and employees of the CONTRACTOR with all relevant provisions of the ACT and the regulations promulgated in terms thereof.
2. The CONTRACTOR undertakes to fully comply with all relevant duties, obligations and prohibitions imposed in terms of the ACT and Regulations: Provided that should the EMPLOYER have prescribed certain arrangements and procedures that same shall be observed and adhered to by the CONTRACTOR, his officials and employees. The CONTRACTOR shall bear the onus of acquainting himself/herself/itself with such arrangements and procedures.
3. The CONTRACTOR hereby accepts sole liability for such due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures, if any, imposed by the ACT and Regulations, and the CONTRACTOR expressly absolves the EMPLOYER and the Employer's CONSULTING ENGINEERS from being obliged to comply with any of the aforesaid duties, obligations, prohibitions, arrangements and procedures in respect of the work included in the contract.
4. The CONTRACTOR agrees that any duly authorized officials of the EMPLOYER shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the CONTRACTOR has complied with his undertakings as more fully set out in paragraphs 1 and 2 above, which steps may include, but shall not be limited to, the right to inspect any appropriate site or premises occupied by the CONTRACTOR, or to take such steps it may deem necessary to remedy the default of the CONTRACTOR at the cost of the CONTRACTOR.
5. The CONTRACTOR shall be obliged to report forthwith to the EMPLOYER any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the ACT and Regulations,

pursuant to work performed in terms of this agreement, and shall, on written demand, provide full details in writing of such investigation, complaint or criminal charge.

Thus signed at for and on behalf of the **CONTRACTOR**

on this the day of 20.....

SIGNATURE:

NAME AND SURNAME:

CAPACITY:

WITNESSES: 1.

2.

Thus signed at for and on behalf of the **EMPLOYER**

on this the day of 20.....

SIGNATURE:

NAME AND SURNAME:

CAPACITY:

WITNESSES: 1.

2.

C1.8: WAIVER OF LIEN

[Refer to attached Overleaf]



® **Waiver of the Contractor's Lien** for use with the ...

Principal Building Agreement

Edition used ?

Minor Works Agreement

Edition used ?

Contractor

Employer

Works

Site

AGREEMENT

The **contractor** waives in favour of the **employer** any lien or right of retention that is or may be held in respect of the **works** to be executed on the **site**

This waiver shall only come into effect on provision by the **employer** of a **security for payment** in fulfilment of obligations in terms of the identified **agreement**

This done and signed at Date

Name of Signatory Capacity

.....
For and on behalf of the **contractor** who by signature
hereto warrants such authorisation

.....
Signature of Witness

Contractor

Street Address Code

Postal Address Code

E-mail Mobile

Fax Telephone

TABLE OF CONTENTS

	PAGE NO.
C2.1 PRICING INSTRUCTIONS.....	PD. 2
C2.2 SCHEDULE OF QUANTITIES.....	PD. 5

C2.1 PRICING INSTRUCTIONS

- 1 The Conditions of Contract, the Contract Data, the Specifications (including the Project Specifications) and the Drawings shall be read in conjunction with the Bill of Quantities.
- 2 The Bill comprises items covering the Contractor's profit and costs of general liabilities and of the construction of Temporary and Permanent Works.

Although the Tenderer is at liberty to insert a rate of his own choosing for each item in the Bill, he should note the fact that the Contractor is entitled, under various circumstances, to payment for additional work carried out and that the Engineer is obliged to base his assessment of the rates to be paid for such additional work on the rates the Contractor inserted in the Bill. Clause 8 of each Standardized Specification, and the measurement and payment clause of each Particular Specification, read together with the relevant clauses of the Project Specifications, all set out which ancillary or associated activities are included in the rates for the specified operations

- 3 Descriptions in the Bill of Quantities are abbreviated and may differ from those in the Standardized and Project Specifications. No consideration will be given to any claim by the Contractor submitted on such a basis. The Bill has been drawn up generally in accordance with the latest issue of Civil Engineering Quantities. Should any requirement of the measurement and payment clause of the appropriate Standardized or Project Specification(s) be contrary to the terms of the Bill or, when relevant, to the Civil Engineering Quantities, the requirement of the appropriate Standardized, Project, or Particular Specification as the case may be, shall prevail
- 4 Unless stated to the contrary, items are measured net in accordance with the Drawings without any allowance having been made for waste.
- 5 The amounts and rates to be inserted in the Bill of Quantities shall be the full inclusive amounts to the Employer for the work described under the several items. Such amounts shall cover all the costs and expenses that may be required in and for the construction of the work described, and shall cover the costs of all general risks, profits, taxes (but excluding value-added tax), liabilities and obligations set forth or implied in the documents on which the Tender is based.
- 6 An amount or rate shall be entered against each item in the Bill of Quantities, whether or not quantities are stated. An item against which no amount or rate is entered will be considered to be covered by the other amounts or rates in the Bill.

The Tenderer shall also fill in a rate against the items where the words "rate only" appear in the amount column. Although no work is foreseen under these items and no quantities are consequently given in the quantity column, the tendered rates shall apply should work under these items actually be required.

Should the Tenderer group a number of items together and tender one sum for such group of items, the single tendered sum shall apply to that group of items and not to each individual item, or should he indicate against any item that full compensation for such item has been included in another item, the rate for the item included in another item shall be deemed to be nil.

The tendered rates, prices and sums shall, subject only to the provisions of the Conditions of Contract, remain valid irrespective of any change in the quantities during the execution of the Contract.

- 7 The quantities of work as measured and accepted and certified for payment in accordance with the Conditions of Contract, and not the quantities stated in the Bill of Quantities, will be used to determine payments to the Contractor. The validity of the Contract shall in no way be affected by differences between the quantities in the Bill of Quantities and the quantities certified for payment.

Ordering of materials is not to be based on the Bill of Quantities, but only on information issued for construction purposes.

8 For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:

Unit	:	The unit of measurement for each item of work as defined in the Standardized, Project or Particular Specifications
Quantity	:	The number of units of work for each item
Rate	:	The payment per unit of work at which the Tenderer tenders to do the work
Amount	:	The quantity of an item multiplied by the tendered rate of the (same) item
Sum	:	An amount tendered for an item, the extent of which is described in the Bill of Quantities, the Specifications or elsewhere, but of which the quantity of work is not measured in units

9 The units of measurement indicated in the Bill of Quantities are metric units. The following abbreviations may appear in the Bill of Quantities:

mm	=	millimetre
m	=	metre
km	=	kilometre
km-pass	=	kilometre-pass
m ²	=	square metre
m ² -pass	=	square metre-pass
ha	=	hectare
m ³	=	cubic metre
m ³ -km	=	cubic metre-kilometre
kW	=	kilowatt
kN	=	kilonewton
kg	=	kilogram
t	=	ton (1 000 kg)
%	=	per cent
MN	=	meganewton
MN-m	=	meganewton-metre
PC Sum	=	Prime Cost Sum
Prov Sum	=	Provisional Sum

10 Payment for the Labour-Intensive Component of the Works:

Those parts of the works to be constructed using labour-intensive methods are marked in the bill of quantities with the letters LI either in a separate column or as a prefix or suffix against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a deviation from the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand and this clause does not over-ride any of the requirements in the generic labour-intensive specification in the Scope of Works.

Where minimum labour intensity is specified in the design, the contractor is expected to use their initiative to identify additional activities that can be done labour-intensively in order to comply with the set minimum labour intensity targets.

Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised 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. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict

11. Linkage of Payment for Labour-Intensive Component of Works to Submission of Project Data

The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall still be submitted as per frequency and timeframes stipulated by the Employer. The contractor's invoices shall not be paid until all pending labour information has been submitted. The client may institute a penalty relating to outstanding labour information.

The following information shall be maintained on site and submitted in electronic/hard copy formats:

- Certified ID copies of all locally employed labour
- Signed Contracts between the employer and the EPWP Participants
- Attendance Registers for the EPWP Participants
- Proof of Payment of EPWP Employees
- Monthly Reporting Template as per EPWP requirements

C2.2 SCHEDULE OF QUANTITIES

SUMMARY OF SECTIONS

Bill No.	Description	Amount
1	PRELIMINARY & GENERAL	
2	EARTHWORKS	
3	CONCRETE, FORMWORK AND REINFORCEMENT	
4	MASONRY	
5	WATERPROOFING	
6	CARPENTRY AND JOINERY	
7	CEILINGS AND PARTITIONS	
8	TILING	
9	IRONMONGERY	
10	METALWORK	
11	PLASTERING	
12	PLUMBING AND DRAINAGE	
13	GLAZING	
14	PAINTWORK	
15	ELECTRICAL WORK	
16	EXTERNAL WORKS	
18	SUBTOTAL 1	
19	ADD 10% CONTINGENCIES	
20	SUBTOTAL 2	
24	ADD 15% VAT	
25	TOTAL CARRIED FORWARD TO COMPOSITE SUMMARY	

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	1		BILL NO. 1				
1	1		PRELIMINARIES				
1	1		BUILDING AGREEMENT AND PRELIMINARIES The JBCC Series 2000 Principal Building Agreement (March 2014 edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, ammended as hereinafter described. The ASQAQS 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 full 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 contract 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 contract such item is marked N/A, signifying "not applicable"				
1	1		PREAMBLES FOR TRADES				
1	1		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				
1	1		PRICING OF PRELIMINARIES				
1	1		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).				
1	1		SECTION A - PRINCIPAL BUILDING AGREEMENT				
1	1		Definitions				
1	1	1	Clause 1.0 Definitions and interpretation F:..... V:..... T:.....	Item	1		
1	1	2	Clause 2.0 - Compliance with laws and regulations F:..... V:..... T:.....	Item	1		
1	1		Objective and Preparation				
1	1	3	Clause 3.0 - Offer acceptance and performance F:..... V:..... T:.....	Item	1		
1	1	4	Clause 5.0- Documents F:..... V:..... T:.....	Item	1		
1	1	5	Clause 6.0- Employer's Agent F:..... V:..... T:.....	Item	1		
1	1	6	Clause 7.0 - Design responsibility F:..... V:..... T:.....	Item	1		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	2		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 specifications.				
1	2	7	Clause 8.0 Works Risks F:..... V:..... T:.....	Item	1		
1	2	8	Clause 9.0 - Indemnities F:..... V:..... T:.....	Item	1		
1	2	9	Clause 10.0 - Insurances F:..... V:..... T:.....	Item	1		
1	2	10	Clause 11.0 - Security F:..... V:..... T:.....	Item	1		
1	2		Execution				
1	2	11	Clause 12.0 - Preparation for and execution of the works F:..... V:..... T:.....	Item	1		
1	2	12	Clause 13.0 Setting out of the works The contractor shall notify the Principal Agent if any encroachments 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. F:..... V:..... T:.....	Item	1		
1	2	13	Clause 14.0 - Nominated subcontractors F:..... V:..... T:.....	Item	1		
1	3	14	Clause 15.0 - Selected contractors F:..... V:..... T:.....	Item	1		
1	2	15	Clause 16.0 - Direct contractors F:..... V:..... T:.....	Item	1		
1	2	16	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item	1		
1	2	17	(S1) - Management of the works	Months	6		
1	2	18	(S2)- Site security (2) Contractor's Handling cost and profit on (S2) F:..... V:..... T:.....	Months	6		
				%			
1	2	19	(S3) - Plant,equipment,sheds and offices	Item	1		
1	2	20	(S4) - Notice boards F:..... V:..... T:.....	No	2		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	3		Completion				
1	3	21	Clause 18.0 - Interim Completion F _pV _pT _p	Item	1		
1	3	22	Clause 19.0 - Practical Completion 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 of loss of profit shall not be entertained. F _pV _pT _p	Item	1		
1	3	23	Clause 20.0 - Sectional Completion F _pV _pT _p	Item	1		
1	3	24	Clause 21.0 - Defects liability period and Final Completion F _pV _pT _p	Item	1		
1	3	25	Clause 22.0 - Latent defects liability period F _pV _pT _p	Item	1		
1	3	26	Clause 23.0 Revision of date for practical completion The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor the adjustment of contract value (Clause 29.3) F _pV _pT _p	Item	1		
1	3	27	Clause 24.0 - Penalty for late or non-completion F _pV _pT _p	Item	1		
1	3	28	Clause 25.0 - Payment F _pV _pT _p	Item	1		
1	3	29	Clause 26.0 - Adjustment to the contract value and Final Account All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor. F _pV _pT _p	Item	1		
1	3	30	Clause 27.0 - Recovery of expense and loss F _pV _pT _p	Item	1		
1	3	31	Clause 28.0 - Suspension and Termination F _pV _pT _p	Item	1		
1	3		Termination				
1	3	32.1	Clause 29.1 - Termination by employer F _pV _pT _p	Item	1		
1	3	32.2	Clause 29.14 - Termination by contractor F _pV _pT _p	Item	1		
1	3	32.3	Clause 29.20 - Termination by either party F _pV _pT _p	Item	1		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	4		Dispute				
1	4	33	Clause 30.0 - Settlement of disputes F:..... V:..... T:.....	Item	1		
1	4		Contract Agreement				
1	4	34.1	(S5) - Post Tender Provisions The required post tender information shall be inserted in the post tender provisions after consultation with the contractor	Item	1		
1	4	34.2	(S6) - Contractual Agreement The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties	Item	1		
1	4		SECTION B: PRELIMINARIES				
1	4		Definition and interpretation				
1	4	35	Clause 1.0 - Definition and interpretation F:..... V:..... T:.....	Item	1		
1	4		Documents				
1	4	36.1	(S7.1) - Checking of documents F:..... V:..... T:.....	Item	1		
1	4	36.2	(S7.2) - Provisional bills of quantities F:..... V:..... T:.....	Item	1		
1	4	36.3	(S7.3) - Availability of construction documentation F:..... V:..... T:.....	Item	1		
1	4		Previous work and adjoining properties				
1	4	37.1	(S8.1) - Previous work - dimensional accuracy F:..... V:..... T:.....	Item	1		
1	4	37.2	(S8.2) - Previous Work - defects F:..... V:..... T:.....	Item	1		
1	4	37.3	(S8.3) - Inspection of adjoining properties F:..... V:..... T:.....	Item	1		
1	4		Deposits and fees				
1	4	38	(S9) - Deposits and fees F:..... V:..... T:.....	Item	1		
1	4		Temporary services				
1	4	39.1	(S10) - Water F:..... V:..... T:.....	Month	6		
1	4	39.2	(S11) - Electricity F:..... V:..... T:.....	Month	6		
1	4	39.3	(S12) - Telecommunication facilities F:..... V:..... T:.....	Month	1		
1	4	39.4	(S13) - Ablution facilities F:..... V:..... T:.....	Item	1		
1	4		Prime cost amounts				
1	4	39.5	(S14) - Responsibility for prime cost amounts F:..... V:..... T:.....	Item	1		
1	4		Special attendance on N/S Subcontractors				
1	4	39.6	(S15) - Special attendance F:..... V:..... T:.....	Item	1		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	5		General				
1	5	40.1	(S16) - Protection of works F:..... V:..... T:.....	Item	1		
1	5	40.2	(S17) - Protection / isolation of existing/ sectionally occupied works F:..... V:..... T:.....	Item	1		
1	5	40.3	(S18) - Security of the works F:..... V:..... T:.....	Item	1		
1	5	40.4	(S19) - Notice before covering work F:..... V:..... T:.....	Item	1		
1	5	40.5	(S20) - Disturbance F:..... V:..... T:.....	Item	1		
1	5	40.6	(S21) - Environmental disturbance F:..... V:..... T:.....	Item	1		
1	5		The employer has prepared an Environmental Management Plan, and is included in this document. The contractor shall price opposite this item for compliance with all requirement as detailed in the plan and as will be directed by the Principal Agent.				
1	5	40.7	(S22) - Works cleaning and clearing F:..... V:..... T:.....	Item	1		
1	5	40.8	(S23) - Vermin F:..... V:..... T:.....	Item	1		
1	5	40.9	(S24) - Overhand work F:..... V:..... T:.....	Item	1		
1	5		Schedule of variables				
1	5		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 either no details or specific requirements are available or that the clause is not relevant to this contract	Item	1		
			10.1 Provisional bills of quantities The quantities are provisional Yes				
			10.2 Availability of construction documentation Construction documentation is not complete No				
			10.3 Previous work - dimensional accuracy				
			10.4 Previous work - defects				
			10.5 Inspection of adjoining properties				
			10.6 water [clause 7.2]				
			Option A (by contractor) 10.7 Electricity				
			Option A (by contractor) 10.8 Telecommunications				
			Option A 10.9 Ablution facilities				
			Option A (by contractor) 10.10 Protection of the works				
			Option A (by contractor) 10.11 Protection/ Isolation of existing / sectionally occupied works				
			Option A (by contractor) 10.12 Disturbance				
			10.13 Environmental disturbance				
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	6		SECTION C: SPECIFIC PRELIMINARIES				
1	6		Contract Price Adjustment Provisions				
1	6	41	Bidders are advised that this Contract shall NOT be subject to the Contract Price Adjustment Provisions (CPAP) or any other escalation formula and therefore a bidder has to allow for any increases.	Item	1		
1	6		Site Instructions				
1	6	42	Site Instructions issued on site are to be recorded in triplicate in a site instruction book which is maintained on site by the contractor. F:..... V:..... T:.....	Item	1		
1	6		Warranties for material and workmanship				
1	6		Where warranties for materials and /or workmanship are called for , the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the Principal Agent on certified completion of contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion 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 to do so. The warranty 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. F:..... V:..... T:.....	Item	1		
1	6		Co-operation of contractor for cost management				
1	6	43	It is specifically agreed that the contractor accepts the obligation of assisting the principal agent 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 principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/ reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors F:..... V:..... T:.....	Item	1		
1	6		Propping of floors below				
1	6	44	The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding etc. The location of these areas and any necessary propping shall be approved by the Principal Agent and the cost thereof shall be borne by the contractor. F:..... V:..... T:.....	Item	1		
1	6		Testing of windows for watertightness				
1	6	45	Each window shall be tested for watertightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means. F:..... V:..... T:.....	Item	1		
1	6		Testing of flat roof waterproofing for watertightness				
1	6	46	Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing. F:..... V:..... T:.....	Item	1		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	7		Overtime				
1	7	47	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 Project Manager has specifically authorized in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer. F:..... V:..... T:.....	Item	1		
1	7		As built drawings				
1	7	48	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the Project Manager and the structural engineer for their records. F:..... V:..... T:.....	Item	1		
1	7		Labour record				
1	7	49	At the end of each week the contractor shall provide the project manager with a written record, in schedule form, reflecting the number and description of tradesman and labourers employed by him/her and all subcontractors on the works each day. F:..... V:..... T:.....	Item	1		
1	7		Plant Record				
1	7	50	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. F:..... V:..... T:.....	Item	1		
1	7		Non Cession of Monies				
1	7	51	The contractor shall not cede or assign his/her rights or claims to any monies due or to become due under this contract. F:..... V:..... T:.....	Item	1		
1	7		Tender Evaluation & Adjudication				
1	7	52	The evaluation of tenders will be based on the criteria stipulated in the Preferential Procurement Policy. F:..... V:..... T:.....	Item	1		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	8		SUMMARY OF CATEGORIES				
1	8	53.1	Category: Fixed R.....	Item	1		
1	8	53.2	Category: Value R.....	Item	1		
1	8	53.3	Category: Time R.....	Item	1		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	9		SECTION D : OCCUPATIONAL HEALTH AND SAFETY				
1	9	54	<p>Without limiting the generality of the provisions of clause 7.0 of the Principal Building Agreement, the Contractors attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of Occupational Health and Safety Act, 1993 in which it is specifically stated and 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 is referred to the occupational Health and Safety of Construction attached to this document as Annexure A and the contractor shall price for compliance with the Act and the regulations and the provisions of the aforementioned Health and Safety Specification.</p> <p>The Legal requirements contemplated in Construction Regulation CR (1) (g)</p> <p>A client must ensure that potential principal contractors submitting tenders, have made adequate provision for the cost of health and safety measures</p> <p>And CR 5(1) (h)</p> <p>A Client must ensure that the principal contractor to be appointed has the necessary competencies and resource to carry out the construction work safety</p> <p>Shall apply and failure to price the Health and Safety Items will result in the tender being deemed non - responsive</p> <p>OCCUPATIONAL HEALTH AND SAFETY ACT NO.85 1993 : THIS ACT NOT AFFECTED BY AGREEMENT</p> <p>Subject to the provisions of section 10 (4) and 37 (2), a provision of this Act or a condition specified in any notice or direction issued there under or subjects to which exemption was granted to any person under section 40, shall not be affected to any condition of any agreement whether such agreement was entered into before The contractors attention is further drawn to Section 41 of the or after the commencement if this Act or before or after the imposition of any such condition, as the case may be.</p> <p>Prior to pricing the Contactor MUST FAMILIARIZE HIM / HERSELF WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 1993 as well as the Construction Regulations, 2014, other Relevant Regulations and Standards.</p>	Item	1		
1	9		GENERAL				
1	9	55.1	Notice the Provincial Director Department of Labor in writing of the commencement of construction work with and including submission of a letter or receipt and acknowledgement of the aforementioned notice by the director or his / her representative	Item	1		
1	9	55.2	Allow for the necessary workman's compensation fund or FEM contributions for the duration of the project with and including renewals . F.....V.....T.....	Item	1		
1	9	55.3	Allow for the preparation and approvals of the project - specific H & S and file (CR7 (1) (A) F.....V.....T.....	Item	1		
1	9	55.4	Allow for the implementation and maintenance of project - specific H&C Plan and File. (CR 7)	Item	1		
1	9	55.5	Allow for the appointment of a Full - Time/Part - Time competent Construction Health and Safety Officer to assist in the control of all health and safety related aspects on site as per CR8 (5)	Item	1		
1	9	55.6	Provide for appointment of responsible and competent person /s to manage and supervise the work and administer and enforce health and safety on site as per CR 8 (1), (2) and (7)	Item	1		
1	9	55.7	Allow for provision of telecommunication facilities for the appointed construction Health and Safety Office	Item	1		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	10	55.8	Allow for provision of Basic Emergency preparedness and Response equipment and minimum Level 2 First Aider/s	Item	1		
1	10	55.9	Provide, supply and maintain for each worker the following SANS approved personal Protective equipment & clothing as per the site - Specific risk assessment:	Item	1		
1	10	55.10	Hard Hat (High Density polyethylene with 6 - point lining)	Item	1		
1	10	55.11	Overall / Work suit (100% Cotton)	Item	1		
1	10	55.12	High Visibility reflecting vest and / or bibs	Item	1		
1	10	55.13	Safety boot / shoes (Steel - toes)	Item	1		
1	10	55.14	Safety Gumboot (Steel - toes)	Item	1		
1	10	55.15	Ear Plugs / Muffs	Item	1		
1	10	55.16	Dust Masks (at least FF2 type)	Item	1		
1	10	55.17	Respirators	Item	1		
1	10	55.18	Safety goggles	Item	1		
1	10	55.19	Temporary handrails, toe boards, etc. other than for access scaffoldings	Item	1		
1	10	55.20	Personal fall arrest and rescue equipment with and including life lines and associated equipments	Item	1		
1	10	55.21	SANS approved safety netting (orange color minimum 1,2 meter high)	Item	1		
1	10	55.22	Temporary warning signs and symbols	Item	1		
1	10	55.23	Road traffic signs in terms of the South African Road Traffic signs Manual	Item	1		
1	10		MEDICAL EXAMINATIONS				
1	10	56.1	Allow for pre-employment medical examinations	Item	1		
1	10	56.2	Allow for baseline psychological examinations	Item	1		
1	10	56.3	Allow for exit medical examinations	Item	1		
1	10		Health and Safety Education				
1	10	56.4	Allow for HIV / AIDS Awareness and Implementation programmes,	Item	1		
1	10	56.5	Allow for all compulsory health and safety awareness programmes (e.g. Inductions, Toolbox, Talks, safety Promotions, H&S related training, etc.)	Item	1		
1	10		ENVIRONMENTAL				
1	10	57.1	Provide for adequate handling and storage of materials so as to minimize contamination of ground, air or water	Item	1		
1	10	57.2	Provide for the adequate and safe collection and disposal of waste material and effluent from site by and approved method.	Item	1		
1	10	57.3	Provide facilities and eating area for works.	Item	1		
1	10	57.4	Provide for rehabilitation on completion of site areas and temporary access route not covered by construction or landscaping specifications.	Item	1		
			Total Carried Forward				

BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			Brought Forward				
1	11	57.5	Provide for adequate dust control measure, including regular watering of	Item			
1	11	57.6	Provide for an Environmental Officer or responsible person to prepare and update Method Statement, conduct regular inspections, maintain records	Item	1		
1	11		COMMUNITY LIAISING OFFICER :				
1	11	58.1	(1) CLO Costs (at R5000/month)	Month	6	5,000.00	30,000.00
1	11	58.2	(2) CLO's cellphone costs (at R200/month)	Month	6	200.00	1,200.00
1	11	58.3	(3) Contractor's Handling cost and profit on (1) and (2)	%			
1	11		IN-SERVICE TRAINING STUDENT :				
1	11	59.1	(1) Provision for training Local Students engaged in Civil Engineering related studies with any South African recognised tertiary institution, or	Item	1	45,000.00	45,000.00
1	11	59.2	(2) Contractor's Handling cost and profit on (1)	%			
1	11		PROVISIONAL SUMS :				
			Note: All provisional sums to be used at the discretion of the Engineer.				
1	11	60.1	a) Application for Eskom account and power supply infrastructure on behalf of the municipality	Prov. Sum	1	35,000.00	35,000.00
1	11	60.2	b) Development and training for nominated sub-contractors allowance for Full time Enterprise Development Mentor. This item only be paid based on the satisfactory conduct of the Main Contractor Mentor.	Prov. Sum	1	45,000.00	45,000.00
1	11		Identify work for local subcontractors (CIDB Grade 1). Work to be up to 20% of the Net Contract Value. Each subcontractor to be awarded minimum work value of minimum R130 000 in order to qualify to upgrade to CIDB				
1	11	60.3	Allowance for Engineer's additional site supervision of the works, preparation of CPG BoQs and Procurement process	Prov. Sum	1	1,420,000.00	1,420,000.00
1	11	60.4	Contractor's attendance, handling costs and charges on above items	%	1,500,000.00		
1	11	70	Provision of Training				
1	11	70.1	(a) General Skills Training (15 labourers x 5 days of training = 75 person days x Minimum labour rate)	Person days of Training	150	150.00	22,500.00
1	11	70.2	(b) Entrepreneurial Skills Training	Prov. Sum	1	10,000.00	10,000.00
1	11	70.3	(c) Training Venue (only if required)	Sum	1	15,000.00	15,000.00
1	11	70.5	(d.) Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site.	Sum	1	2,500.00	2,500.00
1	11	70.6	(e) Handling cost and profit in respect of sub-item (a),(b),(c) and (d) above.	%	50,000.00		
1	11	71	DAYWORKS				
1	11	71.1	Vehicles, plant and equipment				
1	11	71.2	(a) Lowbed: Transport of plant to or from site	hr	5		
1	11	71.3	(b) Motor grader				
1	11	71.4	(i) Up to 100Kw and mass 12 tonne	hr	5		
1	11	71.5	(c) Loader				
1	11	71.6	(i) Rubber tyred up to 60 Kw and mass 12 tonne	hr	5		
1	11	71.7	(d) Backhoe excavators				
1	11	71.8	(i) Rubber tyred up to 60 Kw and mass 12 tonne	hr	5		
1	11	71.9	(e) Self propelled compactors				
1	11	71.10	(i) With static mass between 6 and 8 tonnes	hr	5		
1	11	71.11	(f) Walk behind vibrating roller				
1	11	71.12	(i) Static mass greater than 800 kg	hr	5		
1	11	71.13	(g) Tamping platecompactor				
1	11	71.14	(i) Static mass greater than 60 kg	hr	5		
1	11	71.15	(h) Trucks				
1	11	71.16	(i) Tipper up to 6 m ³ capacity	hr	5		
1	11	71.17	(ii) Tipper more than 6 m ³ capacity	hr	5		
1	11	71.18	(iii) Flatbed truck more than 7 tonne capacity	hr	5		
1	11	71.19	(i) Water Truck				
1	11	71.20	(i) Up to 7000 litres	hr	5		
1	11	71.21	(ii) Up to 12000 litres	hr	5		
1	11	71.22	(j) Compressor				
1	11	71.23	(i) Up to 10 m ³ /min	hr	5		
1	11	71.24	(k) Concrete Mixer				
1	11	71.25	(i) Up to 0.3 m ³ dry mix capacity	hr	5		
1	11	72	Personnel				
1	11	72.1	(a) Artisan (Member of Industrial Council)	hr	10		
1	11	72.2	(b) Artisan (Non-member of Industrial Council)	hr	10		
1	11	72.3	(c) Ganger	hr	10		
1	11	72.4	(d) Labourer	hr	10		
1	11	73	Materials				
1	11	73.1	(a) Procurement of materials	Prov Sum	1	5000	5,000.00
1	11	73.2	Contractors handling costs, profit and all other charges in respect of subitem B18.03(a) (state % and extend as an amount)	%	5,000.00		
			Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1		EARTHWORKS				
1		SUPPLEMENTARY PREAMBLES				
1		Nature of ground				
1		The Tenderer must acquaint himself with the nature of the material to be excavated				
1		Subterranean water				
1		No information regarding subterranean water is available. The Tenderer must acquaint himself of the presence and depth of subterranean water and allow for same in his pricing				
1		Carting away of excavated material				
1		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				
1		EXCAVATION, FILLING, ETC OTHER THAN BULK				
1		Excavation in earth not exceeding 2m deep				
1	1	Reduced levels under floors	m3	60		
1	2	Trenches	m3	240		
1	3	Bases	m3	50		
1		Extra over trench and hole excavations in earth for excavation in				
1	3	Soft rock	m3	10		
1	4	Hard rock	m3	10		
1		Extra over all excavations for carting away				
1	7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	65		
1		Risk of collapse of excavations				
1	8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	480		
1	9	Sides of trench and hole excavations exceeding 1,5m deep	m2	10		
1		Keeping excavations free of water				
1	10	Keeping excavations free of water other than subterranean water	Item	1		
1		Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density				
1	11	Backfilling to trenches, holes, etc	m3	120		
1		Earth filling supplied by the contractor under floors, steps, pavings, etc				
1	12	Over site of G5 material in accordance with SABS 1200 DM compacted to 98% Mod AASHTO density	m3	150		
1		Coarse river sand filling supplied by the contractor				
1	13	Under floors, steps, pavings, etc	m3	15		
1		Compaction of surfaces				
1	14	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m2	680		
1		SOIL POISONING				
1		Soil insecticide				
1	15	Under floors, etc including forming and poisoning shallow furrows against foundation walls, etc filling in furrows and ramming	m2	680		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2		BILL NO. 2				
2		CONCRETE, FORMWORK AND REINFORCEMENT				
2		SUPPLEMENTARY PREAMBLES				
2		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 Engineer. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Engineer. (Test cubes are measured separately)				
2		UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
2		15MPa/19mm concrete				
2	1	Surface blinding under footings and bases	m3	10		
2		REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
2		30MPa/19mm concrete				
2	2	Footing	m3	55		
2	3	Bases	m3	30		
2	4	Surface beds on waterproofing	m3	130		
2	5	Slabs and beams	m3	130		
2	6	Columns	m3	10		
2	7	Stairs including landings,beams and inverted beams	m3	5		
2		TEST BLOCKS				
2	8	Making and testing 150 x 150 x 150mm concrete strength test cube	No	30		
2		CONCRETE SUNDRIES				
2		Finishing top surfaces of concrete smooth with a wood float				
2	9	Surface beds, slabs, etc	m2	1320		
2	10	Apron slabs to falls	m2	120		
2	11	3 x 30mm Saw cut joints in top of concrete including reaming out to 10 x 25mm	m	170		
2		Finishing top surfaces of concrete smooth with a steel trowel				
2	12	Surface beds, slabs, etc to falls	m2	10		
2		ROUGH FORMWORK (DEGREE OF ACCURACY II)				
2		Rough formwork to sides,soffits.etc				
2	13	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	320		
2	14	Slabs not exceeding 255mm thick.	m2	660		
2	15	Beams propped up exceeding 3.5m and not exceeding 11m high	m2	200		
2	16	Soffits of landing	m2	20		
2		MOVEMENT JOINTS, ETC				
2		Expansion joints with high density polystyrene between vertical concrete and brick surfaces				
2	17	10mm Joints not exceeding 300mm high	m	270		
2		REINFORCEMENT				
2		High tensile steel reinforcement to structural concrete work				
2	18	Bars of various diameters	t	9.6		
2		Fabric reinforcement				
2	19	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	660		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3		BILL NO.3				
3		MASONRY				
2		SUPPLEMENTARY PREAMBLES				
3		BRICKWORK				
3		Sizes in descriptions				
3		Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
3		Face bricks				
3		Bricks shall be ordered timeously to obtain uniformity in size and colour				
3		Pointing				
3		Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc				
3		SAMPLES				
3		Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site				
3		FOUNDATIONS				
3		Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar				
3	1	Half brick walls	m2	0		
3	2	One brick walls	m2	270		
3		SUPERSTRUCTURE				
3		Brickwork of NFPE bricks (14 MPa nominal compressive strength) in class I mortar in loadbearing walls, etc				
3	3	Half brick walls	m2	900		
3	4	Half brick walls in beamfilling	m2	30		
3	5	One brick walls	m2	260		
3	6	One brick walls bagged and sealed	m2	800		
3	7	345mm Brick walls.	m2	40		
3		BRICKWORK SUNDRIES				
3		Bagging of 1:3 cement and sand mixture				
3	8	On brick walls, piers, etc	m2	780		
3	9	10mm Soft board built in vertically between brick skins.	m2	5		
3		Brickwork reinforcement				
3	10	75mm Wide reinforcement built in horizontally	m	3400		
3	11	150mm Wide reinforcement built in horizontally	m	2650		
3		"Fabcon" or equal and approved pre-stressed fabricated lintels				
3	12	100 x 70mm Lintels in lengths not exceeding 3m	m	160		
3		Turning pieces				
3	10	220mm Wide turning piece to lintels, etc	m	160		
3		Galvanised hoop iron cramps, ties, etc				
3	11	30 x 1,6mm Roof tie 1,6m long with one end fixed to timber and other end built into brickwork	No	160		
3		FACE BRICKWORK				
3		FBS " Roan Satin" face bricks pointed with recessed horizontal and vertical joints				
3	12	Extra over ordinary brickwork for face brickwork to external face.	m2	780		
3	13	Extra over ordinary brickwork for face brickwork to internal face.	m2	17		
3	14	Extra over ordinary brickwork for face brickwork beamfilling.	m2	30		
		Total Carried Forward				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
3	15	135mm Wide cill set sloping at 30 degrees and slightly projecting, pointed on faces and top.	m	60		
3	16	Brick-on-edge header course lintel.	m	60		
3	17	Brick-on-edge coping to walls.	m	100		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4		BILL NO. 4				
4		WATERPROOFING				
4		SUPPLEMENTARY PREAMBLES				
4		Waterproofing				
4		Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets, etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs				
4		DAMPPROOFING OF WALLS AND FLOORS				
4		One layer of 375 micron "Consol Plastics Brikgrip DPC" or equal and approved embossed damp proof course				
4	1	In walls	m2	50		
4	2	In walls under window cills	m2	10		
4		One layer of 250 micron "Consol Plastics Gunplas USB Green" or equal and approved waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"				
4	3	Under surface beds	m2	660		
4		Two coats "Brixal" or equal and approved bitumen emulsion waterproof coating				
4	4	On bagged brick walls	m2	760		
4		WATERPROOFING TO ROOFS, BASEMENTS, ETC				
4		"Tal Sureproof" or equal and approved two part liquid applied membrane waterproofing				
4	5	Flashing strip 76mm girth at turn-ups including sealing top edge	m	20		
4		JOINT SEALANTS, ETC				
4		Clear silicone sealing compound				
4	6	Pointing joint between window frames and brickwork	m	330		
4		Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc				
4	7	10 x 10mm In expansion joints in floors including raking out expansion joint filler as necessary	m	195		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5		BILL NO. 5				
5		CARPENTRY AND JOINERY				
5		SUPPLEMENTARY PREAMBLES				
5		Joinery:				
5		Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc				
5		Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes				
5		Complete Roof Construction including covering				
5	1	Guard House Complete plate nailed roof construction for the entire building supplied and erected including all purlins, bracing, fascia boards, barge boards, wall plates, creosote on overhangs and wall Roof covering with pitch not exceeding 25 degrees	m ²	30		
5	2	Fire Station Complete plate nailed roof construction for the entire building supplied and erected including all purlins, bracing, fascia boards, barge boards, wall plates, creosote on overhangs and wall plates, 0,53mm IBR Roof covering with pitch not exceeding 25 degrees	m ²	550		
5		SHEET METAL FLASHINGS, LININGS, COPINGS, ETC.				
5		0.60mm Aluminium Charcoal sheeting, fixed to timber or steel purlins or rails and accessories				
5	3	375 mm girth and cover Sidewall flashing (Code FK9)	m	60		
5		DOORS, ETC				
5		Semi-solid flush patterned doors with 3,2mm hardboard veneer and hardwood concealed edge strips				
5	4	40mm Door, size 813 x 1850mm high.	No	6		
5	5	40mm Door, size 813 x 2032mm high	No	29		
5	6	40mm Door, size 1013 x 2032mm high	No	2		
5		Solid laminated flush door with hardboard veneer covering both sides and two concealed edges				
5	7	40mm Double door size 1200 x 2032mm high.	No	1		
5		Wrought meranti doors				
5	8	40mm Framed, ledged and braced meranti door, size 813 x 2032mm high and 32 x 76mm splayed weather board.	No	7		
5	9	40mm Framed, ledged and braced louvre meranti double door size 1613 x 2032mm high with flush back panels and 32 x 76mm splayed weather board.	No	5		
5		JOINERY FITTINGS				
5		SUPPLEMENTARY PREAMBLES				
5		General				
5		The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planing on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc.				
5		User notes:				
5		Decorative laminate finish				
5		Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish.				
5		Drawings/References				
5		KITCHEN CUPBOARDS				
5		Prefabricated Factory Finished cupboards				
5	10	Floor mounted kitchen sink cupboard complete with 32mm waterproof 'Duraboard' counter top faced with formica laminate "Natural Oak code:017" or similar approved, complete with sides, bottom, division, shelves, back, doors, dividing framework, etc. including chromium plated mild steel self closing concealed hinges, 8mm natural anodized aluminium bow pull handles, magnetic cupboard catch and keep, etc. as per drawing KITCHEN LAYOUT AND BUILT-IN CUPBOARDS:	No	1		
		Total Carried Forward				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
5		BUILD-IN CUPBOARDS				
		Prefabricated Factory Finished cupboards				
5	11	Build-in cupboards consisting of 19mm 'Duraboard' faced with formica laminate "Natural Oak code:017" complete with doors, top, sides, bottom, division, shelves, frames, handles, etc. including, chromium plated mild steel self closing concealed hinges, 8mm natural anodized aluminium bow pull handles, "Union" or other approved 2 lever cupboard lock, keep and escutcheon, magnetic cupboard catch and keep, 75mm chromium mild steel barrel bolt and keep, etc. as per drawing FEMALE BATHROOM LAYOUT, attached	No	3		
5		WORKTOPS, COUNTERS, ETC.				
5		Purpose made Counters of 19mm Supawood				
5	12	Reception counter cupboard complete with 19mm 'Supawood' counter top faced with formica laminate "Natural Oak code:017" or similar approved, complete with sides, bottom, division, shelf s, back, doors, dividing framework, etc. including chromium plated mild steel self closing concealed hinges, 8mm natural anodized aluminium bow pull handles, magnetic cupboard catch and keep, etc. as per attached drawing KITCHEN	No	1		
		Formica faced worktop				
5	13	540 x 32mm Solid post fomed Formica on "Duraboard" backing board, with 10mm radius arrised corners to exposed edges, fixed to bearers/brackets (elsewhere measured) on each side.	m	10		
5	14	Allow a provisional sum the supply of general loose furniture and		1	R 75,000.00	R 75,000.00
5	15	Profit/mark-up on item 14 above	%	75000		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6		BILL NO. 6				
6		CEILINGS AND PARTITIONS				
6		SUPPLEMENTARY PREAMBLES				
6		Descriptions:				
6		Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete				
6		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				
6		CEILINGS, ETC				
6		S.A Pine cornices				
6	1	44 x 19mm Cornices with 8 x 8mm recess nailed	m	50		
6		"Aerolite" or equal and approved Fibre glass wool insulation				
6	2	100mm Insulation closely fitted and laid on top of branderling between roof timbers etc	m2	100		
6		NAILED UP CEILINGS				
6		9,5mm "Rhino" or equal and approved gypsum plasterboard with taped and skimmed joints				
6	3	Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres in one direction	m2	100		
6	4	Extra over ceiling for opening for 650 x 650mm trap door complete with trimmers, frame, cross branders, ceiling board, hinges, etc as described	No	1		
6		SUSPENDED CEILINGS				
6		Ceiltex or other approved vinylclad gypsum aluminium foil backed ceiling tiles size 1200 x 600mm x 12mm thick with Ripple white finish laid onto CKM T38/24 pre-painted white exposed tee grid system, with the main tees suspended by means of 19 x 0,5mm galvanised mild steel strap hangers at 1200mm centres				
6	5	Ceilings panels in suspended grid not exceeding 1m below concrete soffits	m2	550		
6	6	Shadowline cornice	m	280		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7		BILL NO. 7				
7		TILING				
		200 x 200 x 4,7mm 'Johnson Matisse MWB4' glazed wall tiles fixed with 'Tal Gold Star 6' rapid setting tile adhesive to plaster (elsewhere measured) with 2mm wide joints continuous in both directions with joints pointed with 'Tal Fine Epoxy Grout' on:				
7	1	On walls	m2	250		
		FLOOR TILING				
		300 x 300mm "Johnson Kerastar Themis" porcelain floor tiles with an approved adhesive with 8mm joints in both directions and flush pointed with tinted waterproof antifungal grouting compound				
7	2	On floors	m2	704		
7	3	Internal skirting or narrow widths not exceeding 150mm high	m	705		
7	4	On treads and risers	m2	10		
7	5	Epoxy on floors	m2	430		
		Mosaic floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound				
7	6	Mosaic tiles on showers	m2	5		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8		BILL NO. 8				
8		IRONMONGERY				
		HINGES, BOLTS, ETC.				
		"Union"				
8	1	Flush bolt with nickel plated finish, AL8052-150 NP.	No	8		
		CATCHES, CABIN HOOKS, ETC.				
8	2	76mm Chromium plated cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged.	No	10		
8	3	38mm Diameter rubber door stop plugged.	No	19		
		"Union"				
8	4	Cast zinc door stop with satin chrome finish, Code C28731SC.	No	7		
		LOCKS				
		"Union"				
8	5	Toilet indicator bolt, Union C28294SC	No	5		
8	6	Four lever stainless steel mortice lock with chromuim plated handles, Union C2682-24-615C	No	29		
8	7	Cylinder lockcase Union L-22315-7665S with "Dover" lever handles on backplate Union AL6D67-05AS and rebate conversion kit Union 2700SC.	No	4		
		DOOR CLOSERS				
		"Dorma"				
8	8	Overhead door closer (Dorma TS73)	No	3		
		LETTERS, NAMEPLATES, ETC.				
		"Union"				
8	9	150 x 150mm Aluminium plate with fire extinguisher indicator (Code: AL5022-E06)	No	6		
8	10	150 x 150mm Aluminium plate with fire hose reel indicator (Code: AL5022-E05)	No	3		
8	11	150 x 150mm Aluminium plate with female indicator sign (Code: AL5022-E11)	No	4		
8	12	150 x 150mm Aluminium plate with male indicator sign (Code: AL5022-E10)	No	4		
8	13	150 x 150mm Aluminium plate with paraplegic indicator sign (Code: AL5022-E14)	No	1		
8	14	150 x 150mm Aluminium plate with emergency exit indicator sign (Code: AL5022-E14)	No	1		
8	15	150 x 150mm Aluminium plate with DB Board indicator sign (Code: AL5022-E01)	No	1		
8	16	150 x 150mm Aluminium plate with directional arrow indicator sign (Code: AL5022-E08)	No	8		
		3mm Thick clear perspex plate with helvetia medium white vinyl numerals 22mm high on silver background and 5mm thick border lines, holed and screw fixed to timber surface with four chrome plated self tapping screws				
8	17	Plate 120 x 35mm high with wording 1 to 2 numeral on plate fixed complete.	No	20		
		4mm Thick clear perspex plate with helvetia medium white vinyl lettering 15mm high on back, holed and screw fixed to timber surface with four chrome plated self tapping screws				
8	18	Plate 200 x 60mm high with various wording, on plate fixed complete.	No	18		
		Total Carried Forward				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
		BATHROOM FITTINGS				
		"Union"				
8	19	Aluminium anodized hat and coat hook, complete with screws and wall lugs for fixing to masonry (Code AL8721AS).	No	7		
		"Solid Art"				
8	20	25mm Diameter chromium plated hanging rail 400mm long including Solid Art 262 end brackets.	No	12		
		"Franke"				
8	21	Soap dispenser, Code STRX618, with replacement cartridge system fixed to wall according to manufacturers specifications.	No	6		
8	22	Multifold white paper towel dispenser, Code STRX600, including white acrylic wall paper towel disposer bin, both fixed to wall to manufacturers specifications.	No	6		
8	23	Toilet roll holder, Code STRX672, fixed to wall according to manufacturers specifications	No	6		
		'Chairman Industries' type 304 stainless steel fittings with satin polished finish, screwed to and including plugs in tiled wall:				
8	24	'Ref SR2' cistern back rail.	No	1		
8	25	'Ref. DL2' side grab rail.	No	1		
		PINNING BOARDS, ETC. (PROVISIONAL)				
		"Parrot Products" bulletin board with durable and hardwearing carpet surface on soft backing, with anodized aluminium frame and fixed to manufacturers instructions				
8	26	Pinningboard, size 1200 x 800mm fixed to walls (Code BD540).	No	4		
		"Parrot Products" White board with 1,2mm high pressure laminate finish suitable for writing on with dry wipe pen, on 13mm soft board, with anodized aluminium frame complete with integrated pen tray and fixed to manufacturers instructions				
	26	White writing board, size 1200 x 800mm fixed to walls (Code BD1304).	No	6		
		SUNDRIES				
		Door sundries				
8	27	Break glass key box	No	1		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9		BILL NO. 9				
9		METALWORK				
9		SUPPLEMENTARY PREAMBLES				
9		Descriptions of bolts shall be deemed to include nuts and washers				
9		Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
9		Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
9		Stainless steel seamless pipes				
9	1	60.33 x 2.77mm Diameter seamless stainless steel pipe 1380mm long, built into brickwork 115mm on each side.	No	1		
9		SUNDRY HOT DIPPED GALVANISED STEELWORK				
9		Galvanised mild steel brackets, framing, etc. (Provisional)				
9	2	88.9mm Diameter x 5mm thick seamless stainless steel pipe 3600mm long, built into brickwork 115mm on each side.	No	1		
9		Galvanised mild steel floor duct covers, etc.				
9	3	4,5mm Thick galvanised mild steel "Mentis Rectagrid" with 25mm squares laid loose in framing (elsewhere measured).	m2	2		
9	4	30 x 30 x 5mm Thick angle section bearer with lugs at 300mm centres embedded into concrete.	m	6		
9		Welded galvanised mild steel cat-ladder to face brick wall				
9	5	Welded cat-ladder 500mm wide and 4500mm high, formed of 75 x 25mm flat section stringers and 25mm diameter rungs 500mm long at 290mm centres, including 12 x 75 x 245mm angle section connections welded to stringers (five per stringer) and bolted to walls with 150 x 15mm galvanised mild steel rawl bolts.	No	6		
9		HOT DIPPED GALVANISED MILD STEEL HANDRAILS, BALUSTRADES, ETC.				
9		Welded balustrading to concrete staircase				
9	6	50 x 50 x 2mm Hollow section square mild steel continuous handrails	m	6		
9	7	50 x 30 x 2mm Hollow section square mild steel continuous middle and bottom rails	m	12		
9	8	50 x 50 x 2mm Hollow section square mild steel post 1000mm long with top welded to framing and bottom welded to and including 150 x 150 x 5mm foot plate 4 x holed for bolts (bolts elsewhere measured)	No	5		
9	9	12mm Solid mild steel square bar balusters	m	33		
9		HOT DIPPED GALVANISED PRESSED STEEL DOOR FRAMES				
9		1,2mm Double rebated frames suitable for one brick walls				
9	10	Frame for door 813 x 2032mm high.	No	4		
9	11	Frame for double door size 1200 x 2032mm high.	No	2		
9	12	Frame for double door size 1613 x 2032mm high.	No	3		
		Total Carried Forward				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
		1,2mm Double rebated frames suitable for half brick walls				
9	13	Frame for door 813 x 2032mm high.	No	19		
9		ALUMINIUM WINDOWS				
9		All work shall comply with the recommended performance requirements as set out by AAMSA (Association of Architectural Aluminium Manufacturers of South Africa) in their latest edition of the "Selection Guide" and "Quality Standard Guide for Installed Architectural Windows, Doors and Shopfronts."				
9		All anodising to be minimum 25 microns. Epoxy powder coating shall be minimum 50 microns.				
9		"Wispeco 340 " natural anodised aluminium windows glazed with 4mm "Smartglass Clearvue" clear float glass with 45 degrees clip in glazing beads, code 14108, complete with handles, strike plates, friction hinges etc, and plugged to brickwork or concrete final stripping of the protective tape and cleaning down to approval at completion.				
9	14	Window 600 x 600mm high	No	11		
9	15	Window 1200 x 600mm high	No	2		
9	16	Window 1200 x 900mm high	No	3		
9	17	Window 600 x 1800mm high	No	6		
9	18	Window 1800 x 1200mm high	No	22		
9	19	Window 2400 x 1200mm high	No	1		
9	20	Window 6130 x 2100mm high	No	4		
		ALUMINIUM DOORS, ETC.				
9	21	Aluminium Sliding door 1800 x 2100mm high (SD1)	No	1		
9	22	Aluminium Sliding door 2400 x 2100mm high (SD2)	No	1		
9	23	Folding stacking door 4055 x 2475mm high	No	1		
9	24	Shopfront double door 1790 x 2475mm high (D7)	No	1		
		GLASS BRICKS				
9	25	190 X 190 Glass bricks fixed in opening size 1500 x 1500 mm (opening elsewhere measured).	No	2		
		SHOWER CUBICLE PANELS AND DOORS				
		Anodised aluminium shower cubicle panels and doors with frames, sliding gear, pivot hinges, cleats, stops, etc and toughened clear safety glass, plugged to tiled walls and				
9	26	Sliding door 900 x 2100mm high	No	4		
		STEEL ROLLER SHUTTERS				
		"Wispeco Roll-a-door" epoxy powder coated roller shutters fixed to brickwork or concrete				
9	27	Manual push-up slatted roller shutter for 4500 x 5000mm high opening	No	4		
9	28	Automated Operated Chromadek roller shutter for 4500 x 5000mm high opening	No	3		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10		BILL NO. 10				
10		PLASTERING				
10		SCREEDS				
10		3:1 Cement and sand screeds wood floated on concrete				
10	1	30mm Thick on floors and landings	m2	1100		
10		INTERNAL PLASTER				
10		Cement plaster on brickwork and small part on concrete				
10	2	On walls	m2	2790		
10	3	On narrow widths	m2	60		
10	4	On concrete slab	m2	550		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
11		BILL NO. 11				
11		PLUMBING AND DRAINAGE				
11		SUPPLEMENTARY PREAMBLES				
11		Rainwater disposal Klip-Lok 700 sheet roofing, 0.58 Zinalume by Gutterfast or similar				
11	1	100mm wide box gutter (280mm girth)	m	90		
11	2	Extra over 280mm girth eaves box gutter for stopped end	No.	4		
11	3	75mm dia. downpipes plugged to wall with holderbats	m	20		
11	4	Extra over 280mm girth box eaves gutter for outlet for 75 x 75mm pipe	No.	4		
11	5	Extra for shoe	No.	2		
11	6	Extra over 75 x 75mm diameter rainwater pipe for bend	No.	4		
11	7	Allow a provisional sum for the supply, delivery and installation of all sinks, basins, toilets, urinals, showers, shower doors and all associated fittings, supportwork and ancillaries required for installation as per the	Prov Sum	1	350,000.00	350,000.00
11	8	Profit/mark-up on item 7 above	%	350000		
11		WATER SUPPLY PIPING AND INSTALLATION:				
11	9	10000 Litre Coloured polyethylene Jojo Water Tank complete with brickwork tank stand, lid & tap, fixed on tank base	No	2		
11	10	Water Connection Allow for new connection, isolationing valve in 250mm dia. PVC valvebox	m	200		
11	11	Allow for trenching excavations & backfilling to install 20mm HDPE pipe,	m	200		
11	12	Allow for 32mm HDPE PN 10 pipe from Water tank on stand to plumbing	m	200		
11	13	Allow for installation, provision of fittings on inlet and outlet side to the	Sum	1	15,000.00	15,000.00
11	14	Allow a provisional sum for water connection fees	Prov Sum	1	10,000.00	10,000.00
11	15	Profit/mark-up on item 13 & 14 above	%	25000		
11		Fire Fighting Appliances				
11	16	5 kg Dry chemical powder fire extinguisher fixed to wall	No	8		
11	17	Fire Hose Reel complete with water connections as per architectural	No	4		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12		BILL NO. 12				
12		GLAZING				
12		GLAZING TO STEEL WITH PUTTY				
12		MIRRORS				
12		"Franke CHRH 401" (Code 359900) or equal and approved 1mm thick Stainless steel Grade 304 (18/10) mirrors holed for and plugged and screwed to brick wall with stainless steel screws				
12	1	Mirror 300 x 400mm high	No	11		
Total Carried Forward to Summary						

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13		BILL NO. 13				
13		PAINTWORK				
13		PAINTWORK, ETC TO NEW WORK				
13		ON FLOATED PLASTER				
13		One coat "Plascon Plaster Primer", one undercoat and two coats "Plascon Velvagio" polyurethane alkyd paint (Colour to Architects approval)				
13	1	On internal walls	m2	2850		
13	2	On concrete ceiling	m2	550		
13		ON PLASTER BOARD				
13		One coat "Plascon Plaster Primer", one undercoat and two coats "Plascon Polvin Walls and Ceilings" acrylic emulsion paint (Colour to Architects approval)				
13	3	On ceilings and cornices	m2	100		
13		Seal knots with "Plascon Woodcare Knot Seal", one coat "Plascon Wood Primer", one undercoat and two coats "Plascon Velvagio" polyurethane alkyd paint (Colour to Architects approval)				
13	4	On doors	m2	90		
13	5	On timber frames	m2	30		
Total Carried Forward to Summary						

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14		BILL NO. 14				
		ELECTRICAL WORK				
		Allow a provisional sum for the installation of all electrical conduiting, draw boxes, distribution boards, wiring, light fittings, lightning protection, earthing, etc in accordance with statutory requirements inclusive of all material, labour, and time related costs as well as the issuing of regulatory				
14	1.1		Item	1	R 550,000.00	R 550,000.00
14	1.2	Add for profit	%	R 550,000.00		
14	1.3	Add for attendance	%	R 550,000.00		
14	2.1	Allow a provisional sum for payment to ESKOM for a new power supply	Prov Sum	1	R 45,000.00	R 45,000.00
14	2.2	Add for profit	%	R 45,000.00		
14	2.3	Add for attendance	%	R 45,000.00		
		Allow a provisional sum for the provision and installation of a standby diesel generator with self enclosed canopy and inclusive of control panel in accordance with statutory and manufacturer requirements for material				
14	3.1		Item	1	R 300,000.00	R 300,000.00
14	3.2	Add for profit	%	R 300,000.00		
14	3.3	Add for attendance	%	R 300,000.00		
		Allow a provisional sum for the provision and installation of lightning protection and earthing in accordance with statutory and manufacturer requirements for material and workmanship and inclusive of all associated				
14	4.1		Item	1	R 80,000.00	R 80,000.00
14	4.2	Add for profit	%	R 80,000.00		
14	4.3	Add for attendance	%	R 80,000.00		
		Allow a provisional sum for the supply and installation of all mechanical requirements for airconditioning and ventilation system in accordance with statutory requirements inclusive of all material, installation and time				
14	5.1		Item	1	R 230,000.00	R 230,000.00
14	5.2	Add for profit	%	R 230,000.00		
14	5.3	Add for attendance	%	R 230,000.00		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1		BILL NO. 1				
1		SITE CLEARANCE, ETC				
1		Site clearance, etc				
1	1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	7500		
1	2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	7500		
1	3	Remove existing fence and store for reinstatement as directed by the Engineer on site	m	300		
1	4	Relocation of removed fence as directed by the Engineer on site	m	300		
1		REMOVAL OF TREES, ETC				
1	5	Tree exceeding 200mm and not exceeding 500mm girth	No	6		
1	6	Tree exceeding 500mm and not exceeding 1m girth	No	2		
1	7	Tree exceeding 1m and not exceeding 1,5m girth	No	2		
1	8	Tree exceeding 1,5m and not exceeding 2m girth	No	1		
1	9	Tree exceeding 2,5m and not exceeding 3m girth	No	1		
1	10	Tree exceeding 3m and not exceeding 3,5m girth	No	1		
1		BULK EXCAVATION, FILLING, ETC				
1		Excavate in all materials (Platform preparations) and use for embankment or Fill or dispose, as				
1	11	Cut, stockpile and borrow to fill, including free-haul up to 1.0km (a) Material layer compacted to 93% of modified AASHTO to thickness of 150 mm and less	m3	200		
1	12	Cut to spoil, including free-haul up to 1.0km. (a) Soft excavation	m3	420		
1		Extra over bulk excavation in earth for excavation in				
1	13	Hard rock	m3	100		
1		Keeping excavations free of water				
1	14	Keeping excavations free of water other than subterranean water	Item	1		
1	15	"Modified AASHTO Density" test	No	15		
1	16	Supply and install 2400mm high Concrete palisade fence for the site boundary	m	450		
1	17	Supply and install single razor wire with steel galvanized brackets and afix on new concrete palisade fence on site boundary	m	450		
1	18	Single galvanised gate to suit opening size 1080 x 2100mm high	No.	1		
1	19	Double Galvanised gate to suit opening size 6000 x 2100mm high (Complete with rail, motor,	No.	1		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BILL NO. 2				
2		DRIVEWAY AND PARKING				
2		Excavation in earth not exceeding 2m deep				
2	1	Reduced levels under floors	m3	1680		
2		Extra over all excavations for carting away				
2	2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1680		
2		Surface preparation				
2	3	Compaction of ground surface under pavings, etc including scarifying for a depth of 150 mm, breaking down oversize material, adding suitable material where necessary and compacting to 93 % Mod AASHTO density	m2	4300		
2	4	Apply "Weedmaster Turfmaster" or equal and approved weedkiller (at a rate of 40-45 ml to 5 litres of water per 50 m2) to surface of ground	m2	4300		
2		Earth filling supplied by the contractor under pavings, etc				
2	5	Over site of G7 material in accordance with SABS 1200 DM compacted to 95% Mod AASHTO density	m3	550		
2	6	Over site of G5 material in accordance with SABS 1200 DM compacted to 95% Mod AASHTO density	m3	550		
2	7	Over site of G5 material, stabilised with 4% Portland blast furnace cement, in accordance with SABS 1200 DM compacted to 98% Mod AASHTO density	m3	550		
2	8	Over site of G2 material in accordance with SABS 1200 DM compacted to 98% Mod AASHTO density	m3	550		
2		Prescribed density tests on filling				
2	9	"Modified AASHTO Density" test	No	40		
2		TAR				
2	10	Prime coat of MC70 applied at a rate of 0,81 litre per square meter Under bituminous roads and parking areas	m2	2850		
2		Bituminous premix road surfacing including prime				
2	11	30mm Thick to parking areas, roadways, etc.	m2	2850		
2		PRECAST CONCRETE PAVING				
2	12	60mm Thick precast concrete interlocking grey pavers laid in herringbone pattern on and including 50mm sand bed	m2	130		
2		Precast concrete kerbs				
2	13	Kerb (Figure 6) on and including concrete base and unreinforced concrete (15 MPa) continuous haunch at back, bedded and jointed in in 20mm (6 : 1) cement mortar bed and pointing with keyed joints including all formwork, excavation, filling and ramming, etc.	m	600		
2	14	Ditto but circular on plan not exceeding 4m radius formed with short lengths of straight kerb including excavation, backfilling, etc	m	50		
2		Road marking paint on concrete premix				
2	15	Line 100mm wide	m	180		
2	16	Traffic arrow as Fig 121 of SARTSM - 1970	No	4		
2	17	Road marking indicating "Disabled Parking" sign	No	2		
2	18	Road marking indicating "Stop" sign	No	2		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BILL NO. 3				
3		LANDSCAPING				
3		General plant material				
3		All plant material (plants, shrubs, trees, etc) shall be obtained from a registered nursery and shall be free from damaged parts, parasites, fungus, other plant diseases or insects. No container bound plants will be acceptable.				
3		Cultivation and preparation of planting areas				
3		All surface rocks and stones larger than 50mm shall be removed before commencing cultivating and preparation. The entire area shall be ripped and rotavated using approved machinery by breaking up the earth to a depth of 300 at 600mm centres in both directions, unless otherwise described, and then levelled. Where fertilizer or compost is specified, it shall be worked into the topsoil to a depth of 300mm and finished to final levels.				
		All fertilizer to areas to be grassed shall be strewn on the final layer before final finishing is commenced and worked mechanically into the top 150mm soil.				
3		Maintenance period				
3		All planted areas shall be maintained for a period of three months after practical completion as defined in the contract.				
		This maintenance shall consist of keeping clear of weeds and litter, loosening all soil where necessary, replacing damaged, diseased or dead plants, pruning, cutting and mowing as necessary and watering so as to keep the plant material in a healthy growing condition.				
3		Before planting, all areas are to be raked free of stones and other superfluous matter and brought to a weed free fine tilth by harrowing				
		The full responsibility for maintaining the grassed areas shall rest with the Contractor until the end of the maintenance period and he must allow in his prices accordingly. The maintenance shall include watering where necessary re-grassing of unsatisfactory areas and any other work which is necessary to achieve full healthy and weed free grass cover before the end of the maintenance period				
3		Ground preparation				
3	1	Cultivation and preparation of areas to be planted	m2	2000		
3		Top soil filling from stock pile by the contractor				
3	2	To landscape mounds, berms, etc	m3	1200		
3	3	Fertilizing areas to be grassed with approved suitable fertilizer	m2	2000		
3	4	"Kikuyi" grass over site.	m2	2000		
	5	Maintenance of grassed areas for a period of 3 months (total area approximately 2000m2) including regularly weeding and irrigating as necessary.	Item	1		
3		Trees				
3	6	Trees	No	20		
		Total Carried Forward to Summary				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BILL NO. 4				
		WATER SUPPLIES				
		<u>Excavate in all materials for trenches, backfill, compact and dispose of surplus material - for up to 110mm diameter pipes:</u>				
4	1	Not exceeding 1m deep.	m	150		
		Extra over excavation in all depths for:				
4	2	Soft rock excavations.	m	50		
4	3	Hard rock excavations.	m	20		
		<u>HDPE Class 12 water supply or similar approved including all necessary fittings.</u>				
4	4	63mm diameter pipe.	m	150		
		WATER SUPPLIES TO FIRE APPLIANCES				
		<u>Excavate in all materials for trenches, backfill, compact and dispose of surplus material - for up to 110mm diameter pipes:</u>				
4	5	For depths not exceeding 1m.	m	150		
4	6	For depths exceeding 1m and not exceeding 2m.	m	20		
		Class 16 uPVC pressure pipes with rubber ring joints				
4	7	110mm diameter including all necessary fittings	m	150		
		Extra over excavation in earth for excavation in:				
4	8	Extra over item above for intermediate material.	m	10		
		Supply of bedding material from commercial sources including haulage:				
4		Class B bedding material for 110mm and 160mm diameter pipes.	m	150		
		STORMWATER DRAINAGE				
		<u>Excavate in all materials for trenches, backfill, compact and dispose of surplus material - for 450mm diameter pipes:</u>				
4	9	For depths not exceeding 1m.	m	150		
4	10	For depths exceeding 1m and not exceeding 2m.	m	10		
		Extra over excavation in earth for excavation in:				
4	11	Extra over item above for intermediate material.	m	36		
		Supply of bedding material from commercial sources including haulage:				
4	12	Class B bedding material for 450mm diameter pipes.	m	150		
		Supply, lay and bed pipes complete non-pressure pipes with couplings:				
4	13	450mm Diameter concrete with spigot and socket joint Class 1000.	m	150		
4	14	Supply and install catchpit average size 800 x 800 mm of depths varying between 1 - 2m deep internally with and including 600 x 600 mm cast iron dished grating and frame - Supply only	No	2		
4	15	Supply and install road stormwater catchpit with kerb-inlet, maximum approximate size 3 300 x 900 of depths varying between 1 - 2m deep internally and fitted with 550 mm diameter x 190 kg cast iron manhole cover and frame - Supply only	No	3		
		Testing:				
4	16	Allow for testing of the entire stormwater drainage system to Engineer's satisfaction.	Item	1		
		SOIL DRAINAGE				
		PREAMBLES				
		For preambles see "Model Preambles for Trades 2008" as issued by The Association of South African Quantity Surveyors				
		SUPPLEMENTARY PREAMBLES				
		uPVC pipes and fittings:				
		Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings.				
		Total Carried Forward				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
		Where fittings have reducing ends or branches they are described as 'reducing' and 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 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. Disinfection of water pipework: Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere). Laying, backfilling, bedding, etc., of pipes: Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled. Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200 LD : Sewers SABS 1200 LE : Stormwater drainage Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches). Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Unless otherwise described bedding of rigid pipes shall be Class B bedding General: Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 98% Mod AASHTO density and disposal of surplus material on site. As-built drawings: Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings Excavate in all materials for trenches, backfill, compact and dispose of surplus material - for 200mm diameter pipes:				
4	17	For depths not exceeding 1m.	m	100		
4	18	For depths exceeding 1m and not exceeding 2m.	m	20		
		uPVC UG pipes and fittings:				
4	19	110mm diameter.	m	120		
4	20	160mm diameter.	m	20		
		Extra over excavation in earth for excavation in:				
4	21	Extra over item above for intermediate material.	m	10		
		Supply of bedding material from commercial sources including haulage:				
4	22	Class B bedding material for 110mm and 160mm diameter pipes.	m	120		
		Supply and install manholes, etc.:				
4	23	Type A' brickwork manhole, 1000 x 1000 x average 1640mm deep complete including all necessary excavations, filling and back filling, blinding layer of concrete, reinforced concrete surface bed, concrete benching, brick walls, reinforced concrete reducer slab, opening for manhole cover (cover and frame elsewhere measured).	No	5		
4	24	1200mm diameter x 75mm thick Precast ring Manhole, average 1360mm deep complete including all necessary excavations, filling and back filling, blinding layer of concrete, reinforced concrete surface bed, concrete benching, etc (cover and frame elsewhere measured).	No	3		
		Gratings, covers and frames:				
4	25	1200mm Diameter precast light duty frame and lid size 600mm diameter	No	3		
		Testing:				
4	26	Allow for testing of the entire stormwater drainage system to Engineer's satisfaction.	Item	1		
		Total Carried Forward				

BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
4	24	1200mm diameter x 75mm thick Precast ring Manhole, average 1360mm deep complete including all necessary excavations, filling and back filling, blinding layer of concrete, reinforced concrete surface bed, concrete benching, etc (cover and frame elsewhere measured).	No	3		
		Gratings, covers and frames:				
4	25	1200mm Diameter precast light duty frame and lid size 600mm diameter	No	2		
		Testing:				
4	26	Allow for testing of the entire stormwater drainage system to Engineer's satisfaction.	Item	1		
4		SEPTIC TANK				
4	27	Excavation in earth exceeding 2m but not exceeding 4m deep	m ³	70		
4	28	Extra-over for backfill or for fill material against structures	m ³	40		
4	29	Grade 30Mpa/19mm strength for concrete base	m ³	6		
4	30	Grade 30Mpa/19mm strength for concrete slab	m ³	5		
4	31	Unformed Concrete Surface Finishes -Wood float finish	m ²	30		
4	32	High-tensile bars of varying diameter for foundations and toilet slab	t	0.78		
4	33	High-tensile welded mesh ref 193	m ²	30		
4	34	Formwork to soffits of slab	m ²	30		
4	35	One brickwall - NFX Bricks	m ²	50		
4	36	Plaster to walls	m ²	120.0		
4	37	1200mm diameter x 75mm thick Precast ring Manhole, average 1360mm deep complete including all necessary excavations, filling and back filling, blinding layer of concrete, reinforced concrete surface bed, concrete benching, etc (cover and frame elsewhere measured).	No.	2		
4	38	1200mm Diameter precast light duty frame and lid size 600mm diameter	No.	2		
		Total Carried Forward to Summary				

		SUMMARY				
		BILL NO. 5				
5	1	SITE CLEARANCE, ETC				
5	2	DRIVEWAY AND PARKING				
5	3	LANDSCAPING				
5	4	WATER SUPPLIES				
5		SUB-TOTAL		ST		

TABLE OF CONTENTS

	PAGE NO.
C3: SCOPE OF WORK.....	SW. 2
C3.1: DESCRIPTION OF THE WORKS.....	SW. 2
C3.2: PROJECT SPECIFICATIONS & ENGINEERING.....	SW. 4
C3.3: MANAGEMENT OF THE WORKS.....	SW. 5
C3.4: COMMUNITY DEVELOPMENT AND TRAINING.....	SW. 10

C3: SCOPE OF WORK

C3.1: DESCRIPTION OF THE WORKS

[NOTE: This description is a broad outline of the Contract Works and does not limit the work to be executed by the Contractor in terms of the contract. The quantities of some of the major items indicated in this section are indicative, not absolute, and are provided to define in general terms the overall scope of the project. For Compiler information purposes only]

C3.1.1 Employer's Objective and Overview of the works

This contract covers the supply of all materials, labour, plant and equipment for the CONSTRUCTION OF MUNICIPAL DISASTER MANAGEMENT CENTRE. The project involves the construction of a fire station and associated amenities.

C3.1.2 Overview of the works

The scope of work is envisaged to include the following:

- Construction of an approximately 585m² building constructed from standard common and face brick as per bill specifications and issued working drawings.
- The building will be supported on reinforced concrete foundations as per engineer's detail and the concrete slabs will be reinforced with REF193 mesh or as per detail.
- 0.6mm Thick IBR "Chromadek" roof sheeting with "Leak King" roofing screws, including mastic sealant to all side laps (laid as per manufacturer's details) laid on timber/steel purlins at maximum 1250mm centres on steel portal frame trusses at 1250mm centres fixed to steel columns. Colour as per Project Engineers instruction.
- Finishes include a suspended ceiling, internal plaster and paint, internal and external precast "face" brick and ceramic floor tiles.
- External works include the supply and installation of a perimeter diamond wire mesh fencing, onsite sewerage disposal system, parking lot and access driveway.

RECOMMENDED BY:

APPROVED BY:

Mr. S.V Mngadi
SENIOR MANAGER: PWBS

MR. N.C. VEZI
MUNICIPAL MANAGER

C3.1.3 Location of site and access

The site is located as depicted in the Locality Plan.

C3.1.4 Ground and Subsoil Investigations

Geotechnical investigations have been undertaken on the site and the details of the subsoil conditions will be provided to the successful tenderer. Requests may be made via email by tenderers should they require a copy of the report.

C3.1.5 Ancillary works

An access driveway is to be constructed from the existing Arts Centre access including layerworks, asphalt surfacing and stormwater as per issued drawings.

C3.1.6 Climatic conditions

The proposed project area is in a high summer rainfall region with an average annual precipitation of 750-1000 mm.

MONTH	Expected number of working days lost as result of normal rainfall
JANUARY	*5
FEBRUARY	5
MARCH	4
APRIL	1
MAY	1
JUNE	1
JULY	1
AUGUST	1
SEPTEMBER	2
OCTOBER	3
NOVEMBER	4
DECEMBER	5
TOTAL	33 days

C3.1.7 Labour recruitment conditions

Local labour is to be used and the employment of such labour is to be done in conjunction with the relevant project management structure that is to be formed. A Labour Committee shall be formed that shall assist the Contractor with the recruitment of local labourers to ensure an equal distribution of people employed.

It is mandatory that the Contractor shall interact with the community via proactive project liaison and project participation by its leaders and constituted organisations and forums, as well as through the employment of its people, and these activities shall constitute essential facets of the project.

C3.2: PROJECT SPECIFICATIONS & ENGINEERING

C3.2.1 General

Applicable Standard Specifications

All the strip foot foundations, buildings, were designed as per the drawings. Roof structure is per Roof Specialist Structural Engineer's design. All the designs to be used are a property of the employer.

C3.2.2 Design

The contractor will not be responsible for any design. Special procedures or requirements i.e. environmental, record keeping, will be discussed with the appointed contractor on progress meetings

C3.2.3 Quality Assurance (QA)

The Contractor will be solely responsible for the production of work that complies with the Specifications to the satisfaction of the Engineer. To this end it will be the full responsibility of the Contractor to institute an appropriate Quality Assurance (QA) system on site. The Engineer will audit the Contractor's quality assurance (QA) system on a regular basis to verify that adequate independent checks and tests are being carried out and to ensure that the Contractor's own control is sufficient to identify any possible quality problems which could cause a delay or failure.

The Contractor shall ensure that efficient supervisory staff, the required transport, instruments, equipment and tools are available to control the quality of his own workmanship in accordance with his QA-system. His attention is drawn to the fact that it is not the duty of the Engineer or the Engineer's representative to act as foreman or surveyor.

C3.2.4 Planning and Programme

The contractor's construction programme should outline the following: resource allocation, time, cash flows, plant, start and finish date, critical path, float, which must be revealed to the Principal Agent for any decision making.

C3.2.5 Software application for programming

There is no specific software application for programming required i.e. contractor can use MS Project, Primavera or any form of construction programming software

C3.3: MANAGEMENT OF THE WORKS

C3.3.1 Management

The Contractor shall pay special attention to the management of works on the site.

C3.3.2 Earthworks

Borrow pits and spoil areas

The borrow pits to be used for this contract, where possible, shall be pointed out at the Compulsory Site Inspection. It is however the contractor's responsibility to locate the closest borrow pit which will be tested by an approved Geotechnical Engineering specialist prior to the source being used. The rate for gravel material shall be deemed to include all overhaul based on the identified borrow pits' distance.

The Contractor shall be permitted to use only those borrow pits approved by the Engineer. The spoil sites shall be determined on site in conjunction with the Engineer and the Municipality. The Contractor shall be permitted to use only those spoil areas approved by the Engineer. Should the Contractor wish to use any other tip area for the disposal of soil, rubble, vegetation, etc., its use shall be subject to the approval of the Engineer and the landowner.

C3.3.3 Testing

Process control

The Contractor shall arrange for all tests required for process control to be done by a laboratory acceptable to and approved by the Engineer.

The Contractor may establish his own laboratory on site or he may employ the services of an independent commercial laboratory. Whatever method is used, the Contractor must submit the results of tests carried out on materials and workmanship when submitting work for acceptance by the Engineer. The costs for these tests shall be deemed to be included in the relevant rates and no additional payment will be made for testing as required.

Acceptance control

The process control test results submitted by the Contractor for approval of materials and workmanship may be used by the Engineer for acceptance control. However, before accepting any work, the Engineer may have further control tests carried out by a laboratory of his choice. The cost of such additional tests will be covered by a provisional sum provided in the schedule of quantities, but tests that failed to confirm compliance with the specifications, will be for the account of the Contractor.

C3.3.4 Site Establishment

Contractor's camp site and depot

The Contractor is responsible to provide a suitable site for his camp and to provide accommodation for his personnel and labourers. If the Employer can make any specific site available to the Contractor, such site will be pointed out to the Contractor.

The Contractor is responsible to provide a suitable site for his camp and to provide accommodation for his personnel and labourers. If the Employer can make any specific site available to the Contractor, such site will be pointed out to the Contractor.

The chosen site shall be subject to the approval of the Engineer and the municipality. Possible locations for a campsite shall be pointed out at the Site inspection. The Contractor shall conform to all local authority, environmental and industrial regulations.

The Contractor shall make his own arrangements concerning the supply of electrical power and all other services. No direct payment shall be made for the provision of electrical and other services.

The cost thereof shall be deemed to be included in the rates and amounts tendered for the various items of work for which these services are required.

The Contractor shall provide security watchmen for the contract as he deems fit at no extra cost for the Employer. The Contractor must ensure that all his employees as well as the employees of his subcontractors are able to identify themselves as members of the construction team.

C3.3.5 Accommodation of Employees

No employees except for security guards will be allowed to sleep or be accommodated on the site in urban areas.

No housing is available for the Contractor's employees and the Contractor shall make his own arrangements to house his employees and to transport them to site.

No informal housing or squatting will be allowed.

The Contractor shall provide the necessary ablution facilities at his camp site and the site of the works for the use of his employees. Chemical toilets only will be allowed where temporary facilities have to be provided.

C3.3.6 Survey beacons

The Contractor shall take special precautions to protect all permanent survey beacons or pegs such as bench-marks, stand boundary pegs and trigonometrical beacons, regardless whether such beacons or pegs were placed before or during the execution of the Contract. If any such beacons or pegs have been disturbed by the Contractor or his employees, the Contractor shall have them replaced by a registered land surveyor at his own cost.

C3.3.7 Health and Safety

C3.3.7.1 General statement

It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his activities in such a manner that his employees and any other persons, who may be directly affected by his activities, are not exposed to hazards to their health and safety. To this end the Contractor shall assume full responsibility to conform to all the provisions of the Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the OHS Act 1993 Construction Regulations 2003 issued on 18 July 2003 by the Department of Labour.

For this contract the Contractor is required to confirm his status as mandatory and employer in his own right for the execution of the contract by entering into an agreement with the Employer in terms of the Occupational Health and Safety Act in the form as included in section C1.2.4

C3.3.7.2 Health and Safety Specifications and Plans

(a) Employer's Health and Safety Specification

The Employer's Health and Safety Specification will be included in the tender documents as part of the Project Specifications.

[Note to compiler: The Employer's Safety Specification is available and must be included]

(b) Tenderer's Health and Safety Plan

The Tenderer shall submit with his tender his own documented Health and Safety Plan he proposes to implement for the execution of the work under the contract. His Health and Safety Plan must at least cover the following:

- i. a proper risk assessment of the works, risk items, work methods and procedures in terms of Regulations 7 to 28;
- ii. pro-active identification of potential hazards and unsafe working conditions;
- iii. provision of a safe working environment and equipment;

- iv. statements of methods to ensure the health and safety of subcontractors, employees and visitors to the site, including safety training in hazards and risk areas (*Regulation 5*);
- v. monitoring health and safety on the site of works on a regular basis, and keeping of records and registers as provided for in the Construction Regulations;
- vi. details of the Construction Supervisor, the Construction Safety Officers and other competent persons he intends to appoint for the construction works in terms of Regulation 6 and other applicable regulations; and
- vii. details of methods to ensure that his Health and Safety Plan is carried out effectively in accordance with the Construction Regulations 2003.

The Contractor's Health and Safety Plan will be subject to approval by the Employer, or amendment if necessary, before commencement of construction work. The Contractor will not be allowed to commence work, or his work will be suspended if he had already commenced work, before he has obtained the Employer's written approval of his Health and Safety Plan.

Time lost due to delayed commencement or suspension of the work as a result of the Contractor's failure to obtain approval for his safety plan, shall not be used as a reason to claim for extension of time or standing time and related costs

C3.3.7.3 Cost of compliance with the OHS Act Construction Regulations

The rates and prices tendered by the Contractor shall be deemed to include all costs for conforming to the requirements of the Act, the Construction Regulations and the Employer's Health and Safety Specification as applicable to this contract.

Should the Contractor fail to comply with the provisions of the Construction Regulations, he will be liable for penalties as provided in the Construction Regulations and in the Employer's Health and Safety Specification.

C3.3.7.4 Management of the environment

Respect for the environment is an important aspect of this contract and the Contractor shall pay special attention to the following:

(a) Natural Vegetation

The Contractor shall confine his operation to the limits of the road reserve for constructing the works and where applicable detours, shall be sited in consultation with the Engineer and the local communities.

Only those trees and shrubs directly affected by the works and those the Engineer may directly instruct, shall be cut down and stumped. The natural vegetation, grassing and other plants shall not be disturbed other than in areas where it is essential for the execution of the work or where directed by the Engineer.

(b) Fires

The Contractor shall comply with the statutory and local fire regulations. He shall also take all necessary precautions to prevent any fires. In the event of fire the Contractor shall take active steps to limit and extinguish the fire and shall accept full responsibility for damages and claims resulting from such fires which may have been caused by him or his employees.

(c) Environmental Management Plan

In addition to the above all requirements according to the Environmental Management Framework prepared by the Municipality, and the project specific Environmental Management Plan will be adhered to.

C3.3.8 EPWP Alignment Clauses

C3.3.8.1 (1.2) Personal & Other Protective Equipment (Sections 8/15/23 or the OHS Act)

The Contractor is required to identify the hazards in the workplace and deal with them. He must either remove them or, where impracticable take steps to protect workers and make it possible for them to work safely and without risk to health under the hazardous conditions.

Personal Protective equipment (PPE) should, however, be the last resort and there should always first be an attempt to apply engineering and other solutions to mitigating hazardous situations before the issuing of PPE is considered.

Where it is not possible to create an absolutely safe and healthy workplace the Contractor is required to inform employees regarding this and issue, free of charge, suitable equipment to protect them from any hazards being present and that allows them to work safely and without risk to health in the hazardous environment.

It is a further requirement that the said equipment be maintained by the Contractor, that he instructs and trains the employees in the use of the equipment and ensures that the prescribed equipment is used by the employee/s.

Employees do not have the right to refuse to use/wear the equipment prescribed by the employer and, if it is impossible for an employee to use or wear prescribed protective equipment through health or any other reason, the employee cannot be allowed to continue working under the hazardous condition/s for which the equipment was prescribed but an alternative solution has to be found that may include relocating or discharging the employee.

The Contractor may not charge any fee for protective equipment prescribed by him/her but may charge for equipment under the following conditions:

- Where the employee requests additional issue in excess of what is prescribed
- Where the employee has patently abused or neglected the equipment leading to early failure
- Where the employee has lost the equipment

All employees shall, as a minimum, be required to wear the following PPE on any infrastructure projects:

Protective overalls

- Protective footwear
- Protective headwear
- Eye/face protection

All PPE provided to local labour working on the Expanded Public Works Programme shall be branded in accordance with the EPWP CI Manual. Typical elements which shall be branded include:

- Protective overalls
- Reflective vests
- Protective headwear

The rate for local labour shall include for the supply of EPWP branded PPE in accordance with the Provincial EPWP specifications. The rate shall include the additional cost of the specified colours for the PPE and branding in accordance with CI manual.

C3.3.8.2 COMMUNITY LIAISON OFFICER (CLO)

The contractor or his appointed agent will appoint a Community Liaison Officer (CLO) after consultation with the local communities, the engineer and the employer. The contractor shall direct all his liaison efforts with the local communities through the appointed officer. The contractor shall, however, accept the appointed as part of his management personnel.

(a) Duties of the Community Liaison Officer

The Community Liaison Officer's duties will be:

- (i) To be available on site daily between the hours of ___(insert time) and ___(insert time) and at other time as the need arises. His normal working day will extend from ___morning until __ (insert time) in the afternoon.
- (ii) To determine, in consultation with the contractor, the needs of the temporary labour for relevant skills training. He will be responsible for the identification of suitable trainees and will attend one of each of the training sessions.
- (iii) To communicate daily with the contractor and the engineer to determine the labour requirements regarding numbers and skill, to facilitate in labour disputes and to assist in their resolution.
- (iv) To assist in and facilitate in the recruitment of suitable temporary labour and the establishment of a "labour desk".
- (v) To attend all meetings in which the community and/or labour are present or are required to be represented.
- (vi) To assist in the identification, and screening of labourers from the community in accordance with the contractor's requirements.
- (vii) To inform temporary labour of their conditions of temporary employment and to inform temporary labourers as early as possible when their period of employment will be terminated.
- (viii) To attend disciplinary proceedings to ensure that hearings are fair and reasonable.
- (ix) To keep a daily written record of his interviews and community liaison.
- (x) To attend monthly site meetings to report on labour and RDP matters.
- (xi) All such other duties as agreed upon between all parties concerned.
- (xii) To submit monthly returns regarding community liaison.

(b) Payment for the community liaison officer

A special pay item is incorporated in section 1200 of the bill of quantities relating to payment of the liaison officer on a prime cost sum basis. This payment shall only be made for the period for which the duties of the liaison officer are required and not necessarily for the full duration of the contract. The remuneration of the CLO shall be determined jointly by the contractor, engineer and employer.

(c) Period of employment of the community liaison officer

The period of employment of the community liaison officer shall be as decided upon jointly by the contractor, engineer and employer.

C3.4: COMMUNITY DEVELOPMENT AND TRAINING

PART A

In line with the municipality's COMPULSORY SUBCONTRACTING policy, as captured in clause 2 (1) (a) (ii) of the approved *Supply Chain Management Policy*; "all contracts with a value from R5 000 000 and above" are subject to a compulsory subcontracting. In terms of this clause, the successful Tenderer (Main contractor) is compelled to Sub-contracting a minimum of 30 % of the contract value. The subcontract firms shall be;

- in the Level 1 CIDB grading category of the specific project category (GB, CE, etc.);
- residents of DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY,
- Black owned emerging contractor entities. Preference should be given to youth, disabled and female contractors or co-operatives.

The 30% requirement shall not be made up entirely of construction materials sourcing, this aspect will be capped at 10%.

Allocations will be made within the Bill of Quantities for specific works to be done by subcontractors, with an allocation for the full-time supervision by the Main Contractor. The works produced by the subcontractor is solely the responsibility of the Main Contractor.

A list of subcontractors meeting a pre-qualifying criterion will be provided to the Main Contractor by the municipality. However, the municipality indemnifies itself from any claim that may arise in the event of a dispute herein.

PART B

Furthermore, the South African Government has undertaken to drive the "radical economic" transformation of marginalized and previously disadvantaged individuals. The Tenderer must submit a proposal for other proposed Economic Transformation Strategies that may be employed to meet the national economic transformation goals. The proposal may include but is not limited to the following.

C3.4.1 Education and Training

This may include contributions to the communities that endeavour to build schools and classrooms as well as outreach and special programmes for the betterment of the intended beneficiaries.

C3.4.2 Skills Development

Programmes that are aimed at improving skills levels in communities with the objective to earn a living and become self-sustainable.

C3.4.3 Job Creation

Support of job creation projects that are external to this contract and are aimed at creating self-sustainability for individuals and small enterprise entities.

C3.4.3 Community support

Medical, primary healthcare and welfare projects (e.g. food schemes) within the communities in which the Contractor is operating may be considered and may also be non-monetary, such as organisational, administrative support, time spent by staff to help to organise an event, project or training for a beneficiary, etc. This may also include Community Aids awareness programmes aligned to government programmes.

TABLE OF CONTENTS

	PAGE NO.
C4: SITE INFORMATION	SI. 2
C4.1: LOCALITY PLAN	SI. 2
C4.2: DRAWINGS	SI. 3

C4: SITE INFORMATION

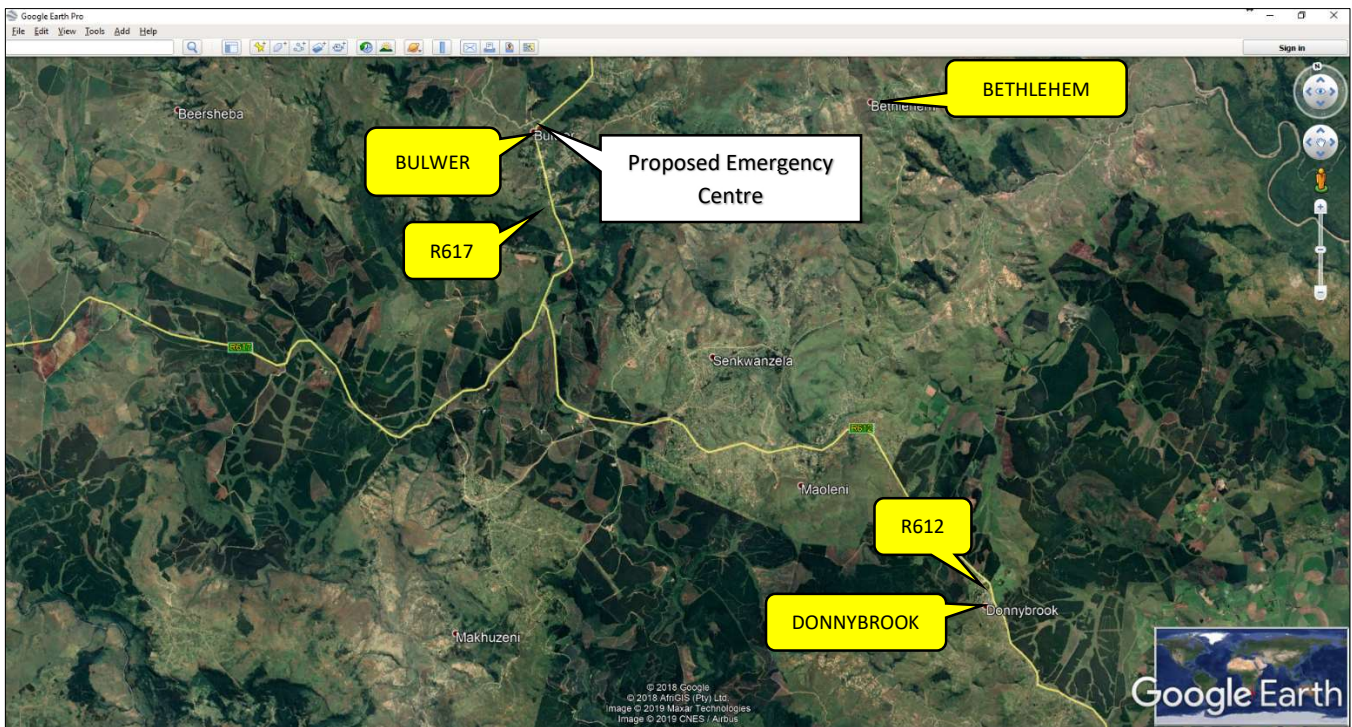
C4.1: LOCALITY PLAN

The project is located in the town of Bulwer on Lot 181, within NDZ LM’s jurisdiction.

TABLE 0-1: PROJECT AREA

PROJECT NAME	NEAREST TOWN(S)	SITE COORDINATES	DISTRICT MUNICIPALITY
THE DESIGN AND PROJECT MANAGEMENT OF FIRE STATION	Bulwer – 00.0km Creighton – 46.0km	29° 47’ 51.77” (South) 29° 46’ 18.35” (East)	Harry Gwala

The location of the site is as per the attached Locality Plan.



C4.1.1: Access

The site is located on the R617 south-east of Pietermaritzburg or north-west from Underberg. The site is located in Bulwer on Lot 181 and shares an with an existing Municipal Arts Centre. During the construction, due care shall be taken by the Contractor to avoid intrusion into the neighbouring centre.

Incidental intrusion into this property shall not be permitted without the owner’s written authority from the client. Any such agreement reached shall include the proviso that any material or equipment on that site shall remain the exclusive property of the Employer in terms of the contract.

C4.2.1: Geotechnical Report

A detailed Geotechnical investigation was undertaken, and a Geotechnical Report prepared. The report will be emailed to tenderers upon request.

C4.2: DRAWINGS

The drawings issued to tenders as part of the tender documents must be regarded as provisional and preliminary for the tenderer's benefit to generally assess the scope of work. The drawings are issued as a separate book of drawings. The work shall be carried out in accordance with the latest available revision of the drawings approved for construction (AFC)

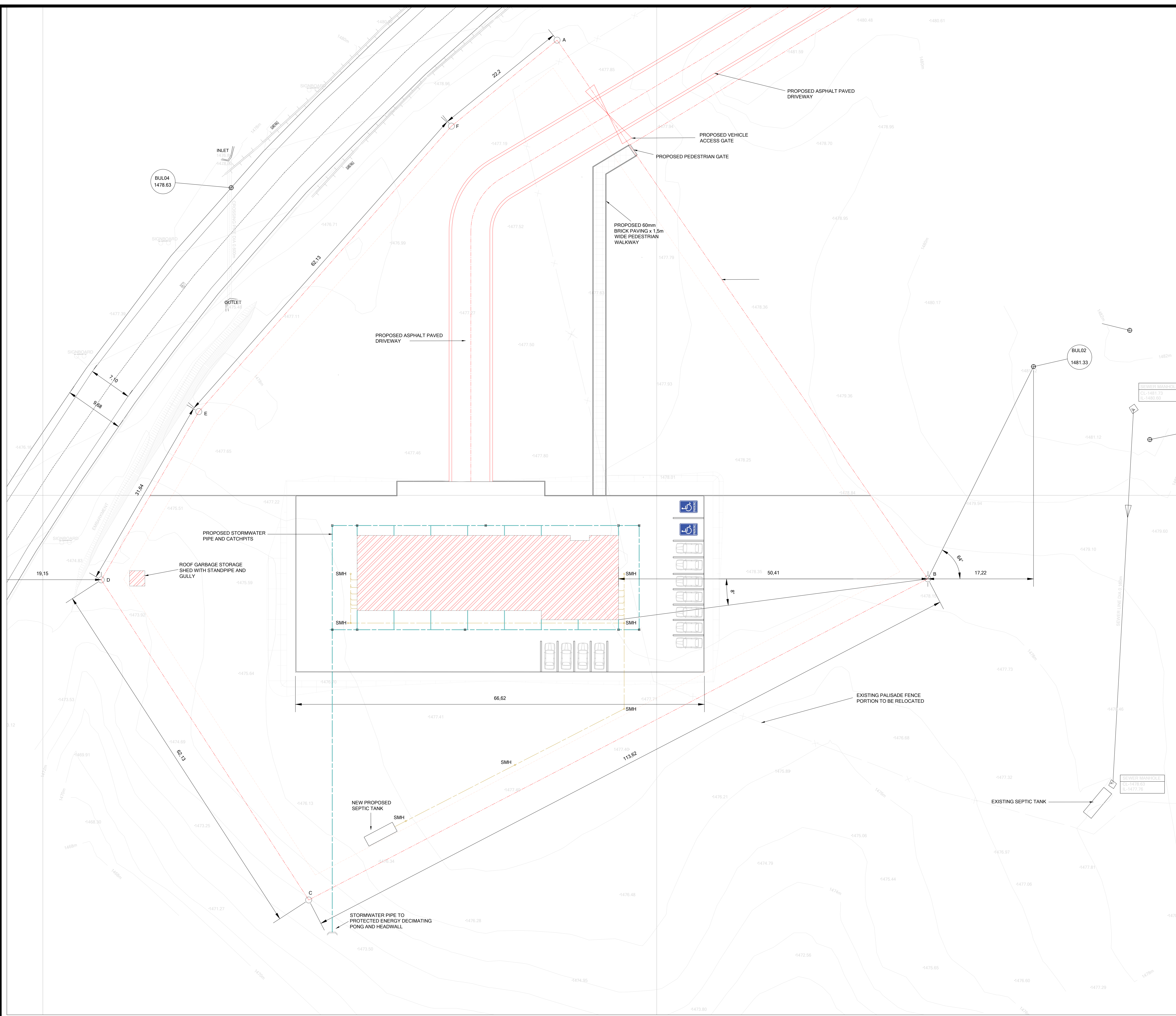
At commencement of the contract, the Engineer shall deliver to the Contractor copies of the AFC drawings and any instructions required for the commencement of the works. From time to time thereafter during the progress of the works, the Engineer may issue further drawings for construction purposes as may be necessary for adequate construction, completion and defects correction of the works.

All drawings and specifications and copies thereof remain the property of the Employer, and the Contractor shall return all drawings and copies thereof to the Employer at the completion of the contract.

C4.2.1 List of drawings attached

Tender drawings are issued separately and are listed hereunder:

Site Layout Plan	K033 – B0T - 100
Floor Plan Layout	K033 – B1T - 101
Driveway Layout, Cross Sections and Long section	K033 – B0T - 102
Elevation, Sections and Details	K033 – B0T - 103
Structural Slabs and Beams Details	K033 – B1T - 200
Windows and Door Schedule	K033 – B1T - 201
General Finishes and Specifications	K033 – B1T - 202
Foundation Plan Layout and Details	K033 – B1T - 203
Surface Bed Layout	K033 – B1T - 204
Structural Details: First Floor and Stairs	K033 – B1T - 205
Fire Safety Plan	K033 – B1T - 206



LEGEND: EXISTING INFRASTRUCTURE	
SYMBOLS CODE	DESCRIPTION
---+---+---	EXISTING PALISADE FENCE TO BE RELOCATED
⊕	BENCHMARKS
—	SEWER LINE DIA 0.110m
⊙	LIGHT/ELECT/TELE POLE
—	STAY WIRE
∩	HEADWALL
□	EXISTING MH
∩	EXISTING GATE
○	PIPE MARKER
□	WATER METER
—	CADASTRAL BOUNDARIES

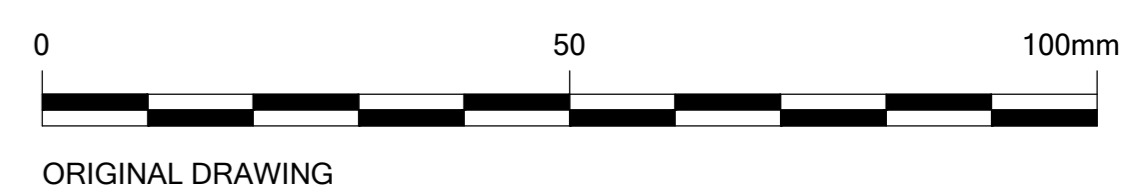
LEGEND: PROPOSED INFRASTRUCTURE	
SYMBOLS CODE	DESCRIPTION
---	PROPOSED CONCRETE PALISADE FENCE
---	PROPOSED SEWER MAIN
---	PROPOSED 600# STORMWATER PIPE
∩	PROPOSED VEHICLE ACCESS GATE
---	BUILDING LINE 3m
---	PROPOSED ASPHALT DRIVEWAY

BENCHMARK TABLE (WGS)29			
Code BUL01 E	-74380.332 N	3298090.916 Z	1481.401
Code BUL02 E	-74361.386 N	3298079.035 Z	1481.327
Code BUL03 E	-74377.072 N	3298073.135 Z	1482.222
Code BUL04 E	-74230.683 N	3298049.894 Z	1478.632
Code BUL05 E	-74331.984 N	3297962.818 Z	1484.524

SETTING OUT TABLE (WGS)29			
Code A	E	-74283.780 N	3298025.86
Code B	E	-74344.170 N	3298113.59
Code C	E	-74243.310 N	3298165.91
Code D	E	-74209.520 N	3298113.77
Code E	E	-74225.410 N	3298086.37
Code F	E	-74266.560 N	3298039.87

SPACE USAGE IN BUILDING		
FLOOR	GROUND	FIRST
FIRE TENDERS	382 sqm	
STORAGE	65 sqm	
OFFICES	50 sqm	535 sqm
STAFF CHANGE ROOMS	25 sqm	
STAFF RECREATION (GYM)	25 sqm	
KITCHEN	5 sqm	25 sqm
ABLUTION	35 sqm	25 sqm

PORTION 4 OF ERF181 BULWER	
SITE AREA	9 857 sqm
BUILDING AREA	585 sqm
BUILDING CLASSIFICATION	H4
PERMITTED COVERAGE	30%
ACTUAL COVERAGE	6.8%



T	ISSUED FOR TENDER	12/04/2021	L. HARPER	H. FUYANA
A1	SUBDIVISION AND TOWN PLANNING SUBMISSION	17/02/2021	L. HARPER	H. FUYANA
A	ISSUED FOR APPROVAL	19/11/2020	L. HARPER	H. FUYANA
Δ	DESCRIPTION OF REVISION(S)	DATE	CHECKED	APPROVED

DESIGNED	P. PUGENI
CHECKED	H. FUYANA
DRAWN	P. PUGENI
CHECKED	H. FUYANA
PROJECT ENGINEER	HLOSOKUHLE FUYANA
REGISTRATION NO.:	2016 703 23

CONSULTING ENGINEER
 PHYSICAL ADDRESS:
 18 YORK ROAD
 GILLITTS
 3610
 TEL: (031) 76412763
 FAX: (031) 542 4084
 e-mail: admin@fmaengineers.co.za



H. FUYANA
 (REGISTRATION NO.: 2016 703 23) SIGNATURE: _____

POSTAL ADDRESS:
 PO BOX 01
 CAVERSHAM GLEN
 PINETOWN
 3616

CLIENT
 PHYSICAL ADDRESS:
 MAIN STREET
 CRIGHTON
 3263
 TEL: (039) 833 1038
 FAX: (039) 833 1179
 e-mail: mailbox@ndz.gov.za

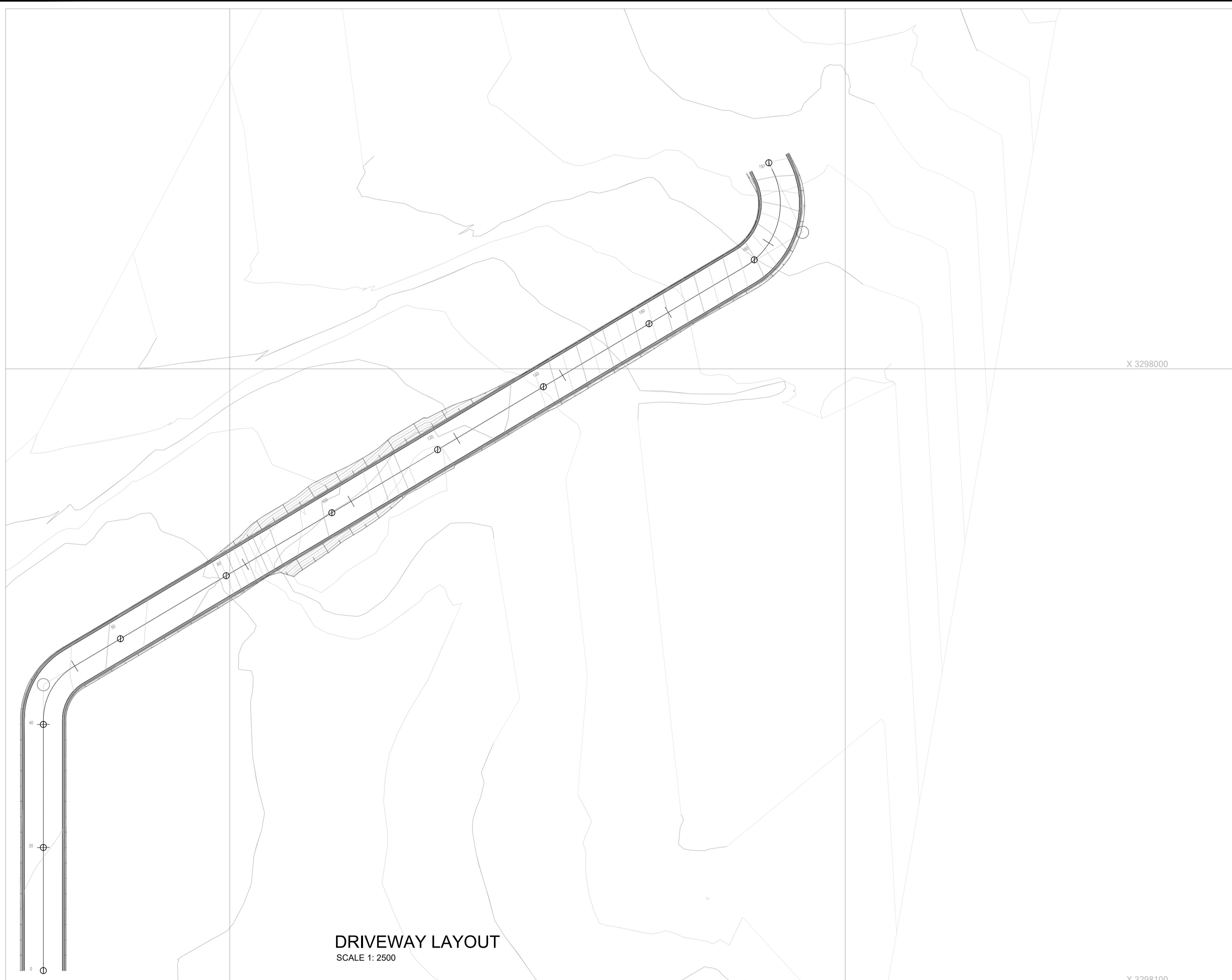


ON BEHALF OF CLIENT: SIGNATURE: _____

POSTAL ADDRESS:
 PO BOX 01
 CAVERSHAM GLEN
 PINETOWN
 3616

PROJECT/DRAWING TITLE
DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
THE CONSTRUCTION OF DISASTER MANAGEMENT CENTER
SITE LAYOUT PLAN

SCALE:	1 : 1000	CONTRACT No.	PWBS-B003/21/22
SHEET	OF	PROJECT No.	K033
1	1	DRAWING No.	K033-B0T-100
REVISION		T	

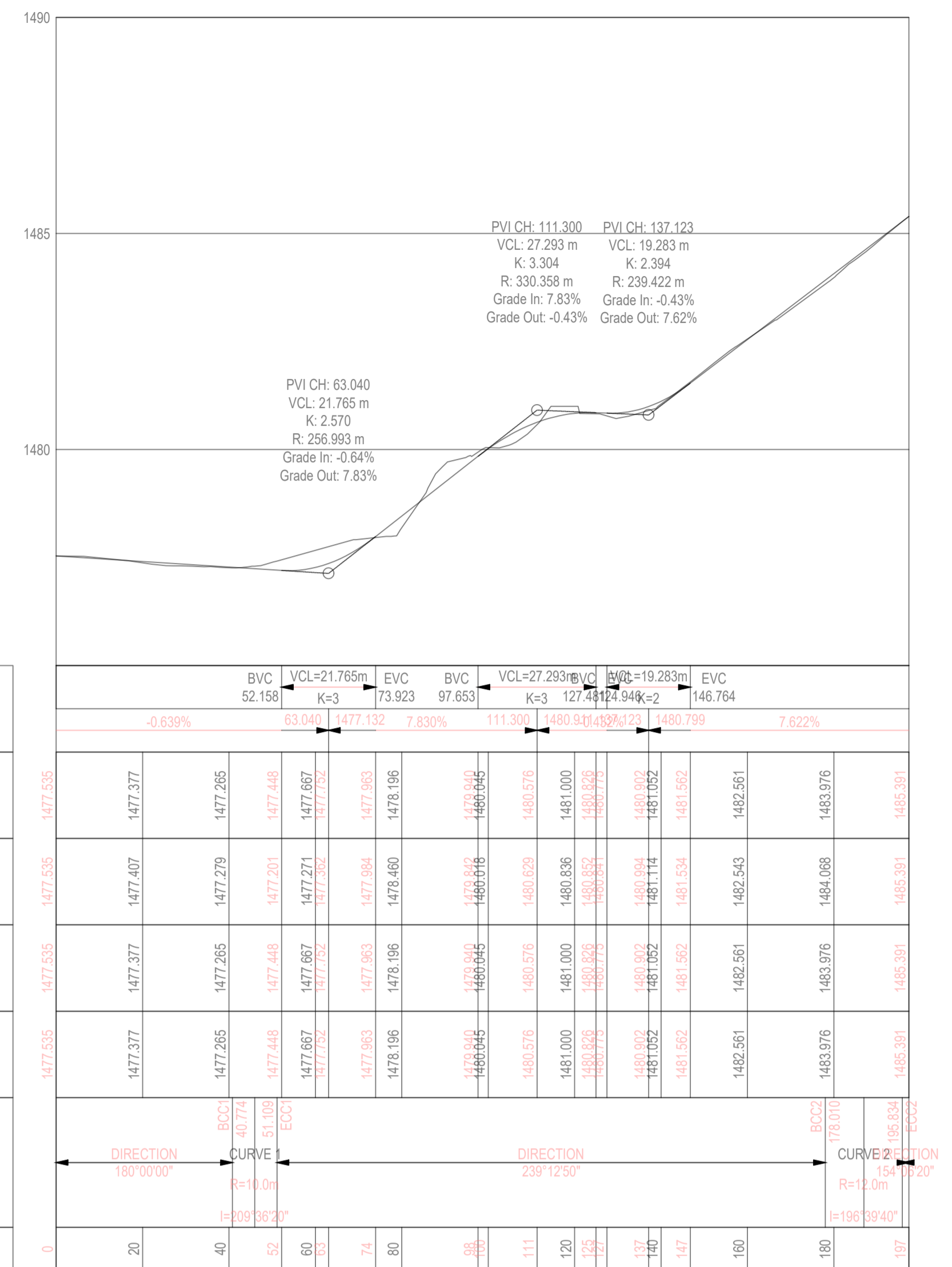


DRIVEWAY LAYOUT
SCALE 1: 2500

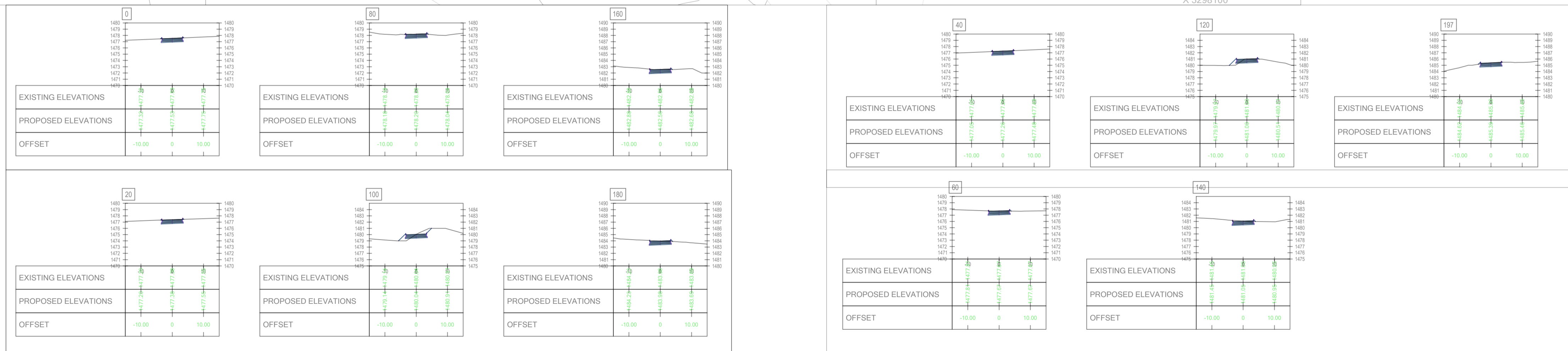
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1475.000

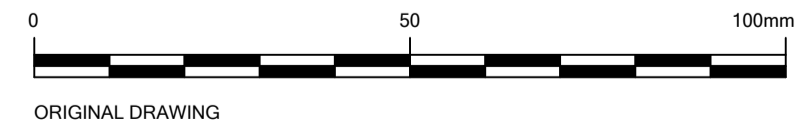
VERTICAL PROFILE GRADES	
FINAL DESIGN ROAD LEVELS	
LEFT EDGE (HL)	
CENTRE LINE (CL)	
RIGHT EDGE (HR)	
GROUND LEVELS ON CL	
HORIZONTAL ALIGNMENT	
DISTANCE (m)	



DRIVEWAY LONGSECTION
H-SCALE 1: 1000
V-SCALE 1: 100



DRIVEWAY CROSS SECTIONS
H-SCALE 1: 200
V-SCALE 1: 100



DESCRIPTION OF REVISION(S)	DATE	CHECKED	APPROVED
T ISSUED FOR TENDER	12/04/2021	L. HARPER	H. FUYANA
A1 SUBDIVISION AND TOWN PLANNING SUBMISSION	17/02/2021	L. HARPER	H. FUYANA
A ISSUED FOR APPROVAL	19/11/2020	L. HARPER	H. FUYANA

DESIGNED	L. HARPER
CHECKED	H. FUYANA
DRAWN	L. HARPER
CHECKED	H. FUYANA
PROJECT ENGINEER	HLOSOKUHE FUYANA
REGISTRATION NO.:	2016 703 23

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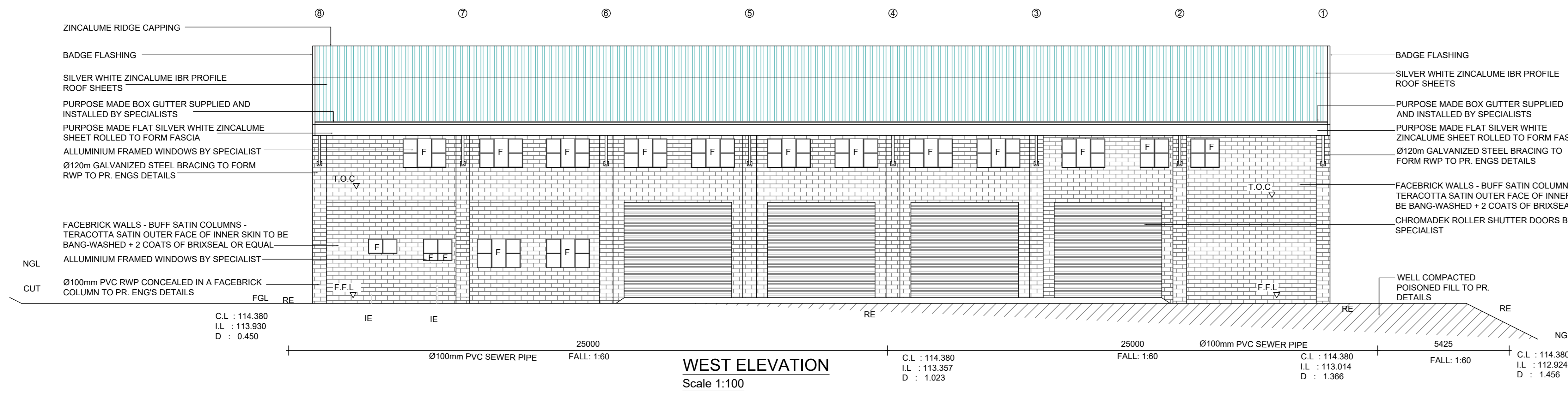


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ON BEHALF OF CLIENT: SIGNATURE:

PROJECT/DRAWING TITLE	DR NKOZAZANA DLAMINI ZUMA LOCAL MUNICIPALITY THE CONSTRUCTION OF EMERGENCY SERVICES CENTRE DRIVEWAY LAYOUT, CROSS SECTIONS AND LONG SECTION
SCALE:	AS SHOWN
SHEET OF	1 OF 1
DRAWING No.	K033-B0T-102
REVISION	T

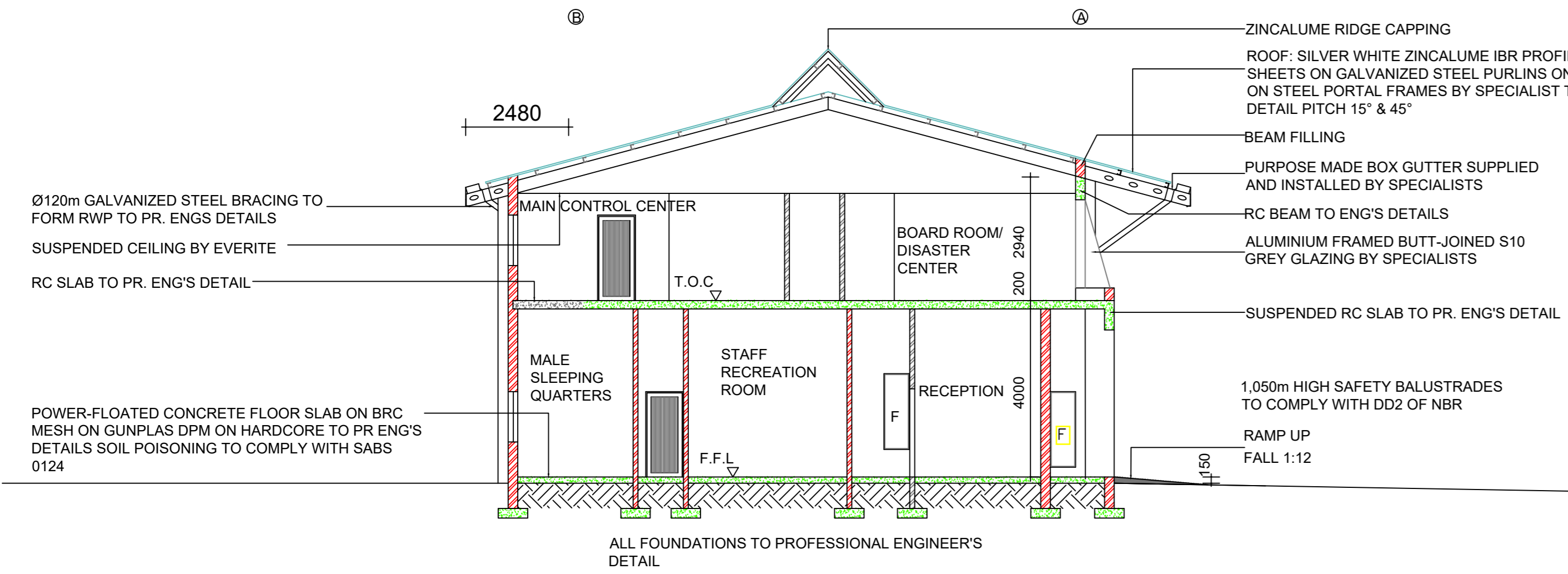
CONTRACT No.	PWBS-B003/21/22
PROJECT No.	K033
DRAWING No.	K033-B0T-102
REVISION	T



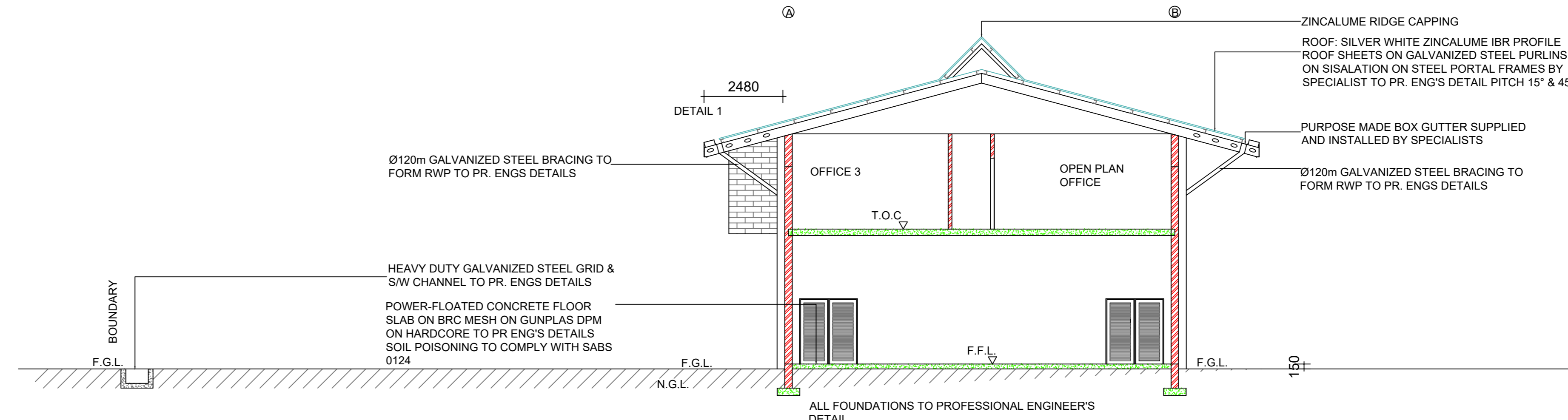
WEST ELEVATION
Scale 1:100



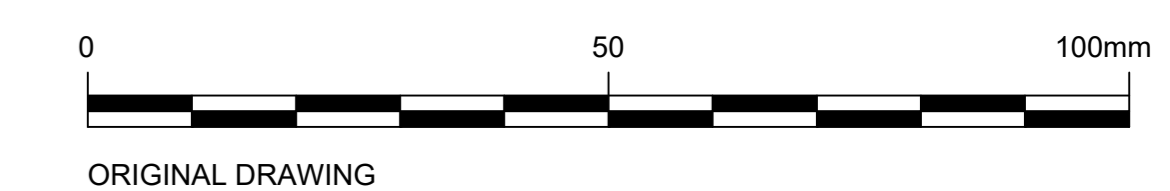
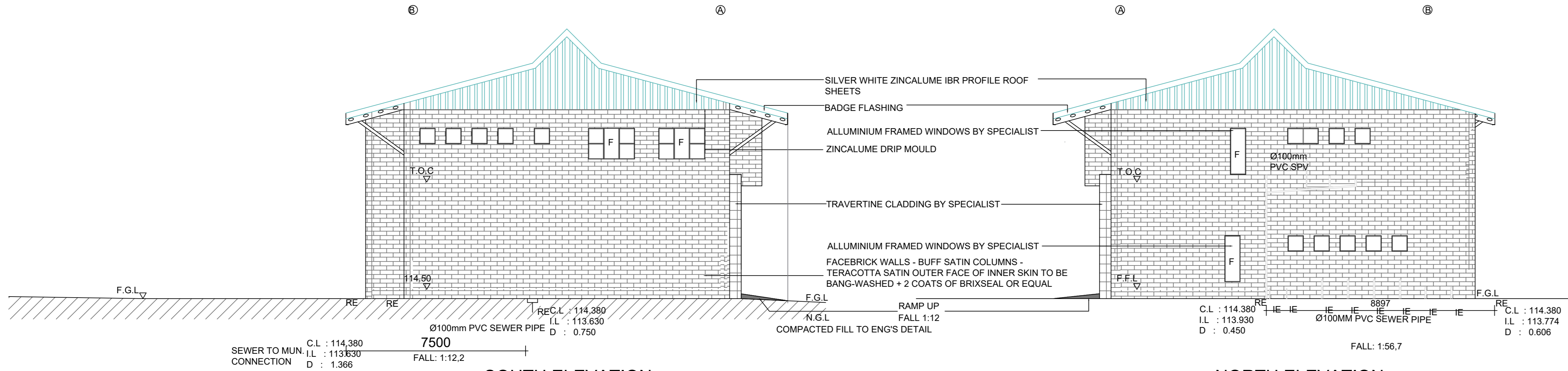
EAST ELEVATION
Scale 1:100



SECTION A - A
Scale 1:100



SECTION B - B
Scale 1:100



T	ISSUED FOR TENDER	13/04/2021	L. HARPER	H. FUYANA
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A	ISSUED FOR APPROVAL	19/11/2020	L. HARPER	H. FUYANA
△	DESCRIPTION OF REVISION(S)	DATE	CHECKED	APPROVED

DESIGNED	P. PUGENI
CHECKED	H. FUYANA
DRAWN	M. MTHEMBU
CHECKED	H. FUYANA
PROJECT ENGINEER	HOSOQUHLE FUYANA
REGISTRATION NO.:	2016 703 23

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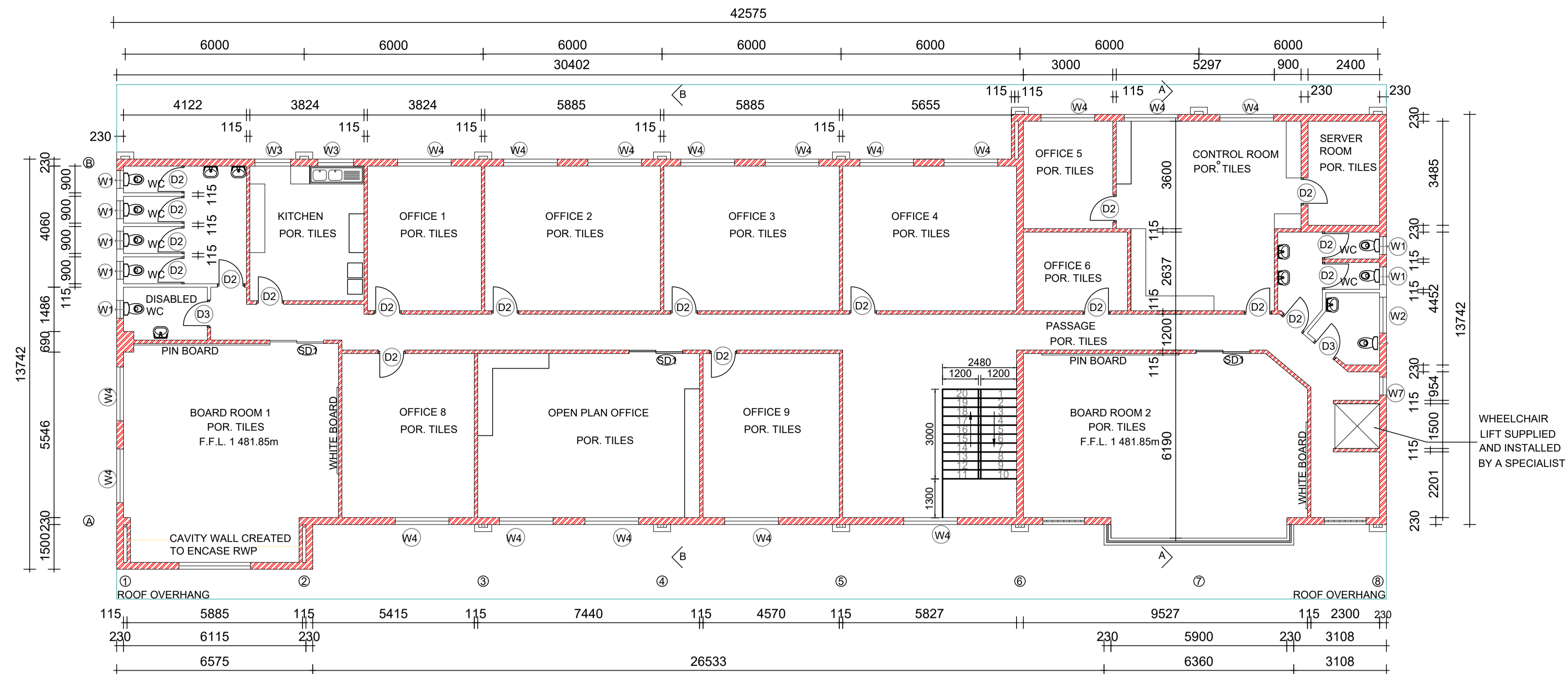
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PROJECT/DRAWING TITLE
DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE
ELEVATION, SECTIONS AND DETAILS

SCALE:	1 : 100	CONTRACT No.	PWBS-B003/21/22
SHEET	OF	PROJECT No.	K033
DRAWING No.			K033-B0T-103
REVISION			T



GENERAL NOTES:

ALL WORK TO COMPLY WITH THE NATIONAL BUILDING REGULATIONS.

ALL LEVEL AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.

ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR.

ALL PLUMBING BY REGISTERED CONTRACTOR. ALL ELECTRICAL BY REGISTERED CONTRACTOR.

IF ON EXCAVATION IT IS FOUND TO CONTAIN EXPANSIVE CLAY, EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAIL AND UNDER HIS SUPERVISION.

FACEBRICK PLINTH OR 1.000m WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING.

NO VEGETATION TO BE AFFECTED ON SITE.

BOUNDARY BEACONS TO BE EXPOSED AND DEMARKED.

GLASS THICKNESS TO COMPLY WITH NN2 SAFETY GLAZING IN ACCORDANCE WITH NN3 REQUIRED.

WHEELCHAIR LIFT SUPPLIED AND INSTALLED BY A SPECIALIST

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
CC 20	50w 12v HALOGEN ALUMINUM ADJUSTABLE DOWN LIGHTER HOUSED IN GALVANIZED BOX
*	CABINET LIGHT FITTING
BD	2d 28w WALL MOUNTED B-LITE POLYCARBONATE BULKHEAD
K452	VISCA WALL MOUNTED EXTERIOR LIGHT FITTING
cujeza.70m	70W ZEUS METAL HALIDE BURIED FITTING
●	4000 ACRYLIC DOME WITH 85% ENERGY SAVING LAMP
PEDANT	POOL TABLE PEDANT
■	600 x 1200 FOUR LIGHTS LBR WITH DAY LIGHT LAMP
■	600X600 FOUR LIGHTS LBR WITH DAY LIGHT LAMP
—	1500 DOUBLE OPEN FLUORESCENT FITTING
—	3 COMPARTMENT PVC POWER SKIRTING
FD	UNDERFLOOR CONDUIT/ ACCESS FLOOR OUTLET BY "STRUT AHEAD"
HD	HAND DRIER BY "STIEBEL ELTRON" TYPE: HTE4 ELECTRONIC
LS406	1000m HIGH BLACK ALUMINUM BOLLARD BY RADIANT WITH 80w MERCURY VAPOUR LAMP
SPOT	6500 HIGH BEKA FIBRE GLASS POLE COMPLETE WITH BASE PLATE GLAND PLATE, ACCESS DOOR AND 2X FLOOD MOUNTINGS + MCB. BEKA BEAM 400w METAL HALIDE E40 LAMP
K9269	TUSH WALL LIGHT- NATURAL ANODISED CAST ALUMINIUM BODY AND GLASS DIFFUSER
300(H)HEIGHT	15 AMP SINGLE WALL PLUG 300mm HIGH
W/P 300	15 AMP SINGLE WATERPROFFED WALL PLUG - 300mm HIGH
TV	TELEVISION AERIAL POINT
TEL	TELEPHONE POINT
✓	LIGHT SWITCH
<	2WAY LIGHT SWITCH
—	LINKAGE
DB	DISTRIBUTION BOARD
SUB DB	SUB DISTRIBUTION BOARD
BG/1725	24PL TUTTOVETRO EMERGENCY LIGHT AS PER SPAZIO CATALOG
BG/1714	11PL TUTTOVETRO EMERGENCY LIGHT AS PER SPAZIO CATALOG
GENERATOR	100kva- 3PHASE GENERATOR FULLY AUTOMATED, SOUND AND WEATHER PRUFE
BEYSER	2X 200 LITRE 'MEGALFO' DUAL 1000 SQUARE HIGH PRESSURE WATERHEAD MOUNTED ABOVE MEZZANINE CEILING SPACE
EM. INT.	EMERGENCY INTERCOM

NOTE:

ALLOW FOR POWER POINT WITH ISOLATOR FOR AIR CONDITIONING TO ALL OFFICES INCLUDING STAFF RECREATIONAL AREA AND BOARDROOM. ALLOW POWER POINT FOR HAND DRYERS.

ALLOW POWER POINT FOR EXTRACTOR FANS TO CHANGE ROOMS.

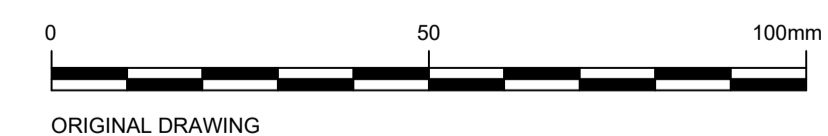
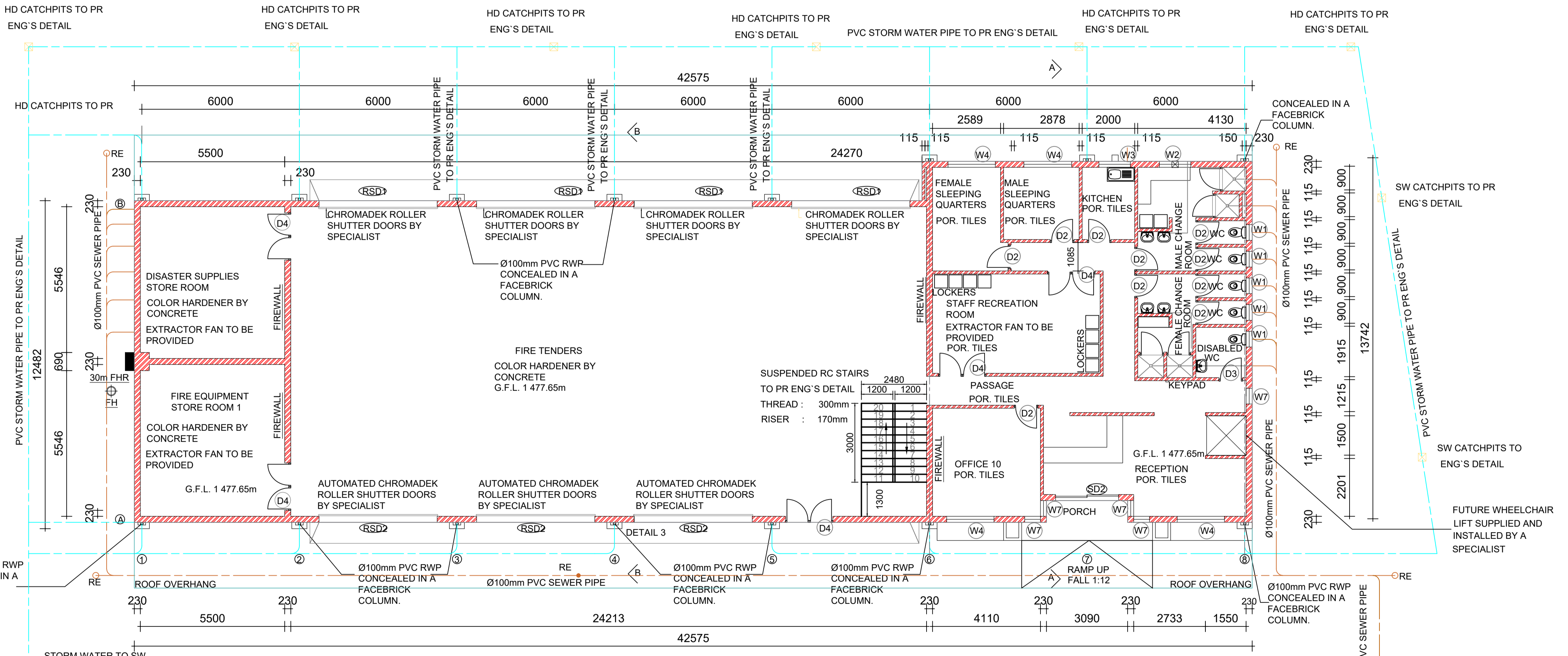
ALLOW SLEEVE FROM DB FOR GARDEN LIGHTING.

ALLOW WATERPROOFED POWER POINT FOR REMOTE SLIDING DRIVEWAY.

ALLOW SLEEVE FOR TELEPHONE POINTS.

ALLOW SLEEVE FOR INTERCOM.

ALLOW SLEEVE FOR ALARM SIREN



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A	ISSUED FOR APPROVAL	19/11/2020	L. HARPER	H. FUYANA

DESIGNED	P. PUGNI
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DRAWN	M. MTHEMBU
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REGISTRATION NO.:	2016 703 23

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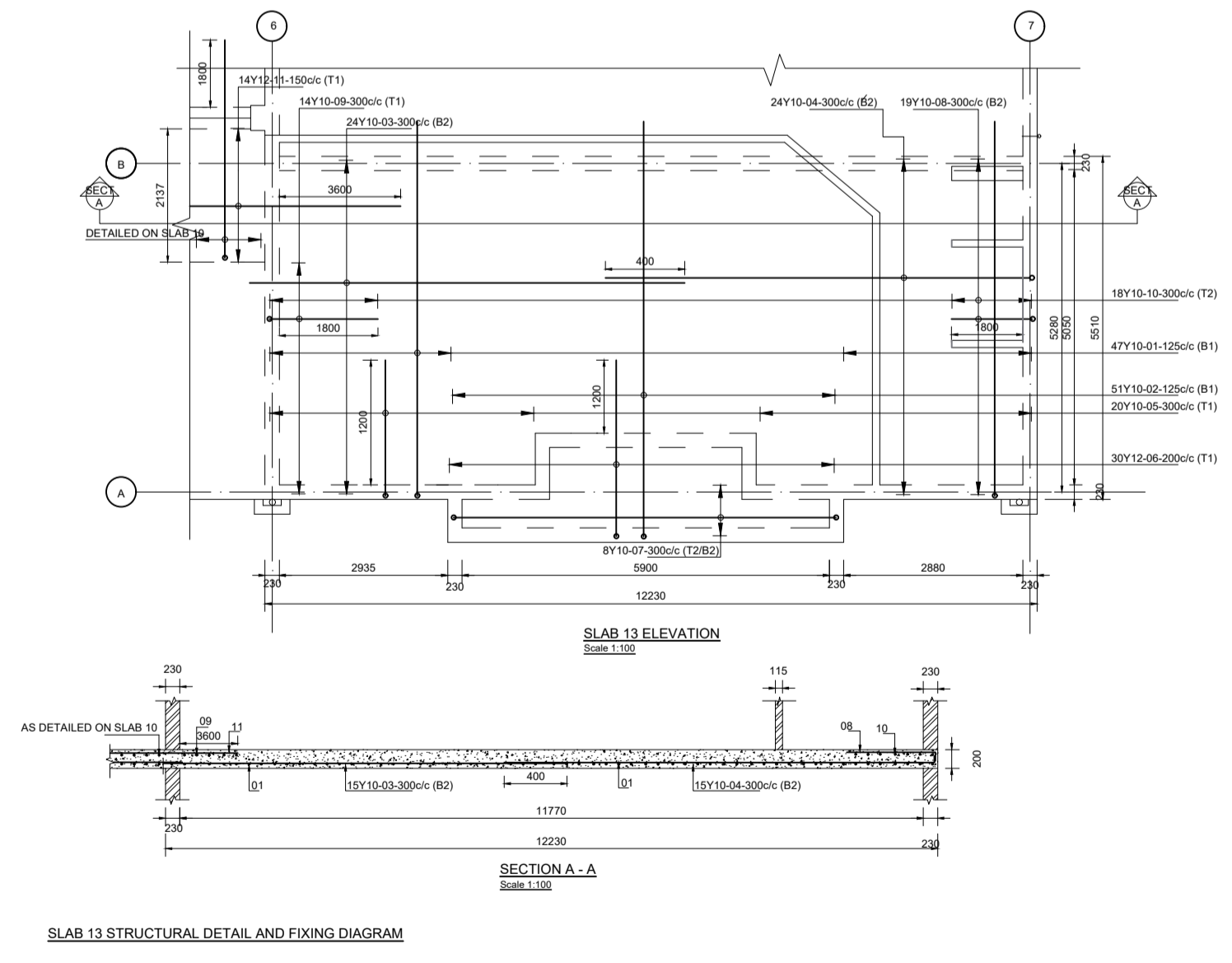
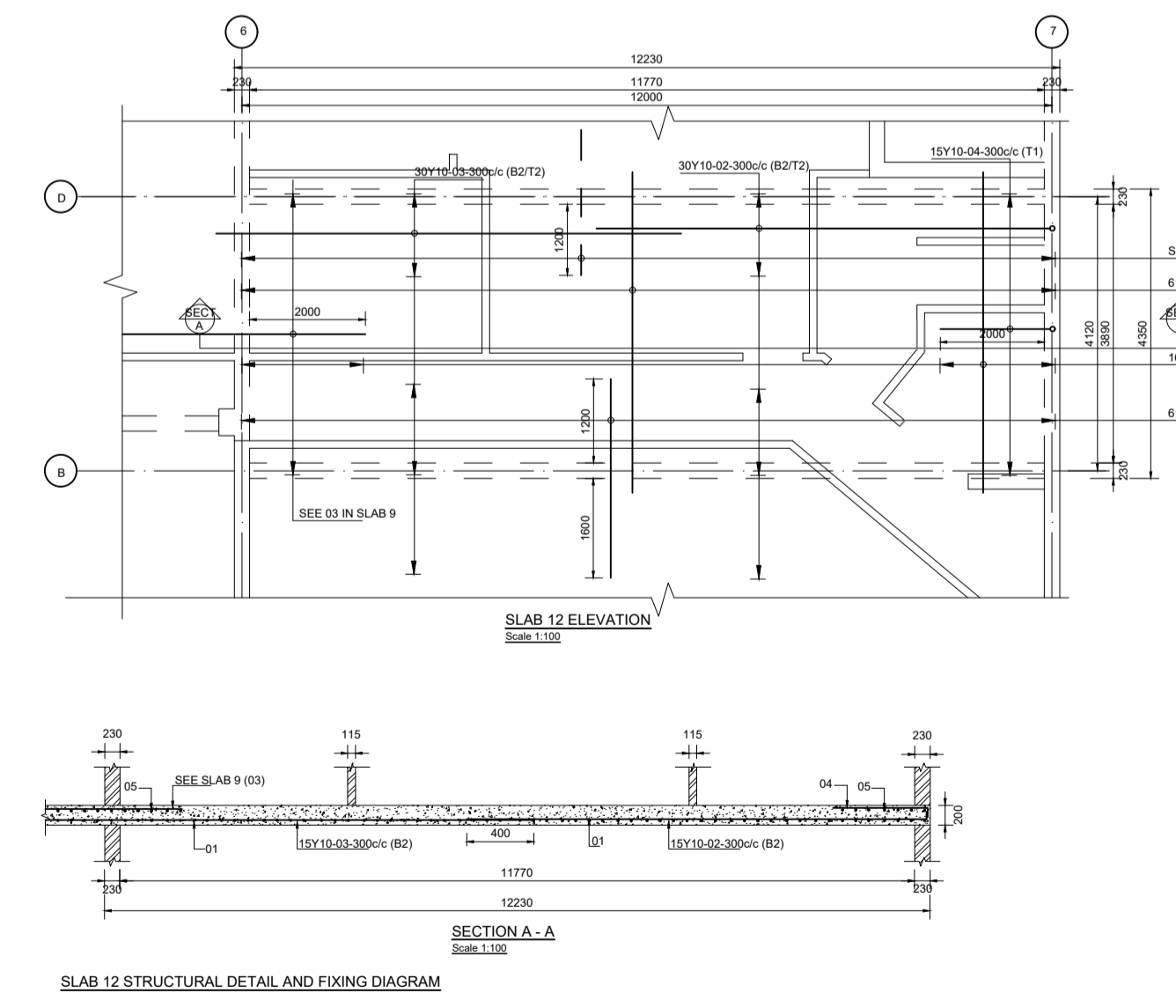
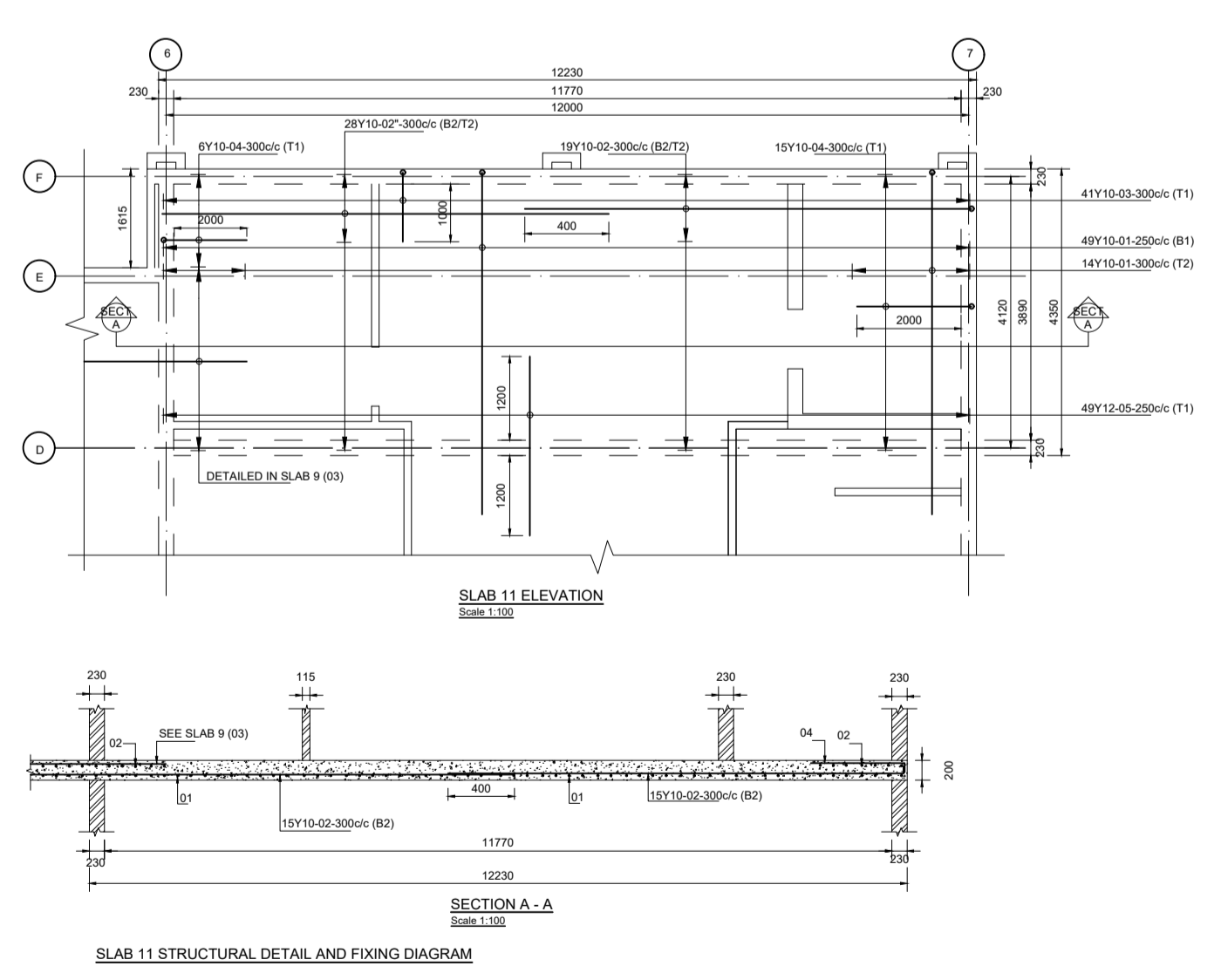
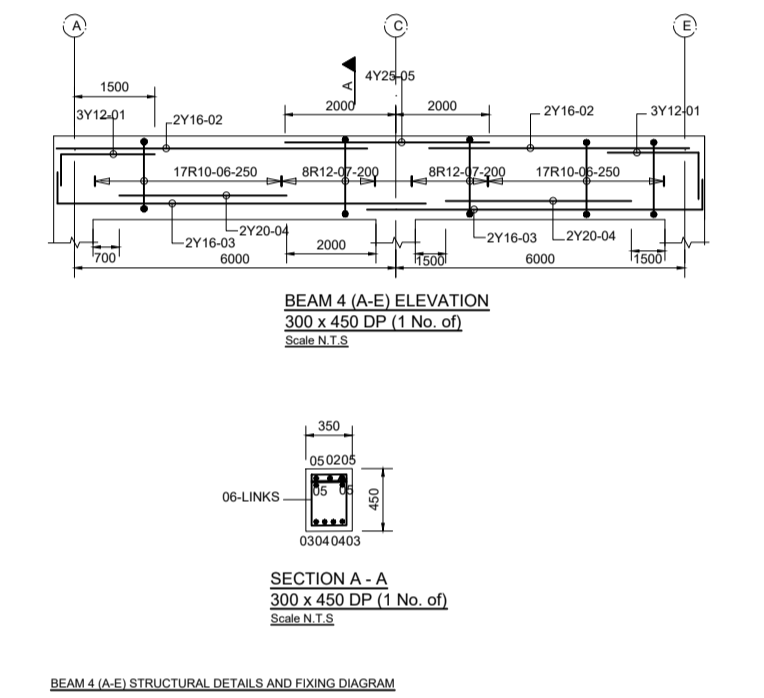
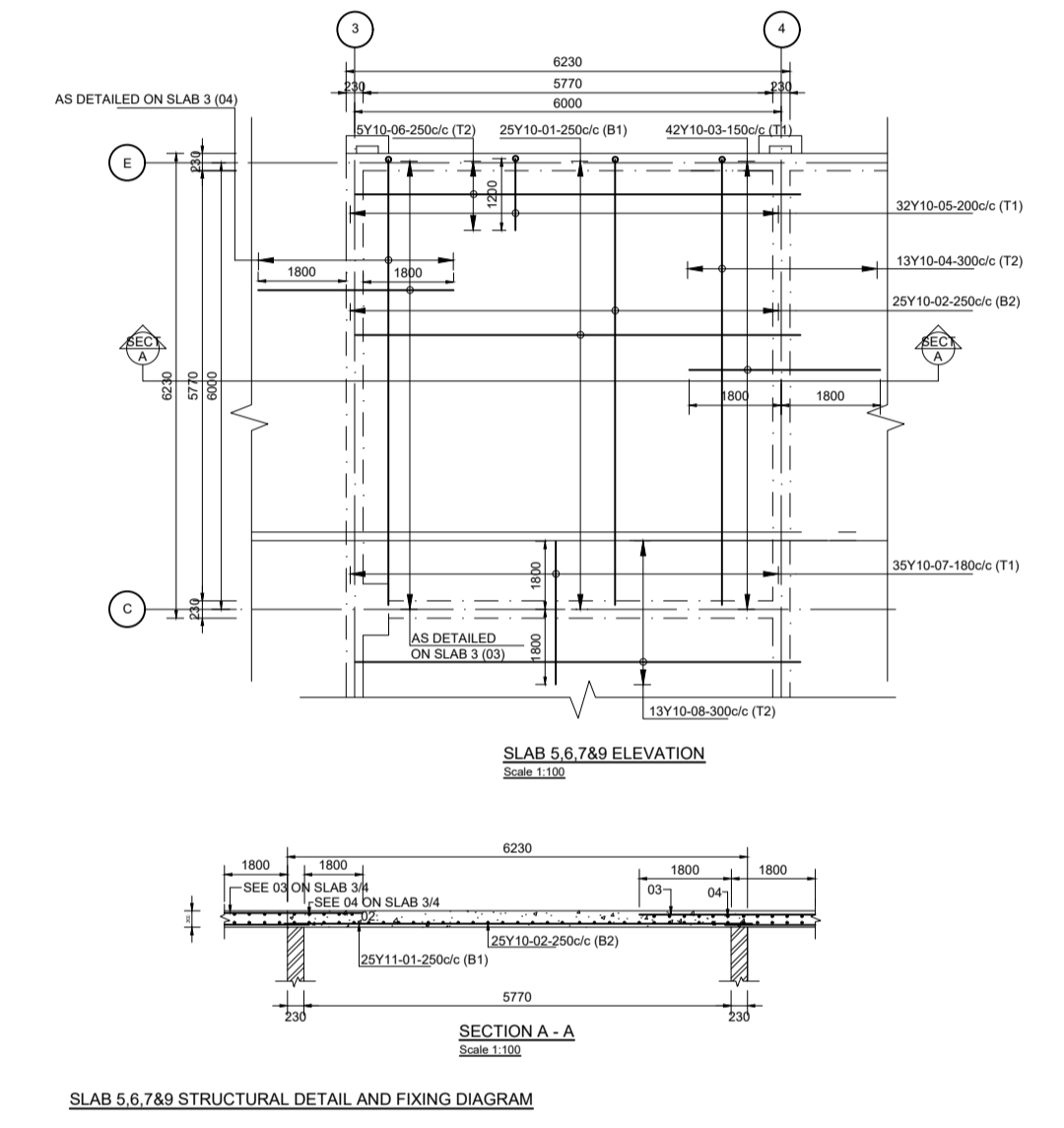
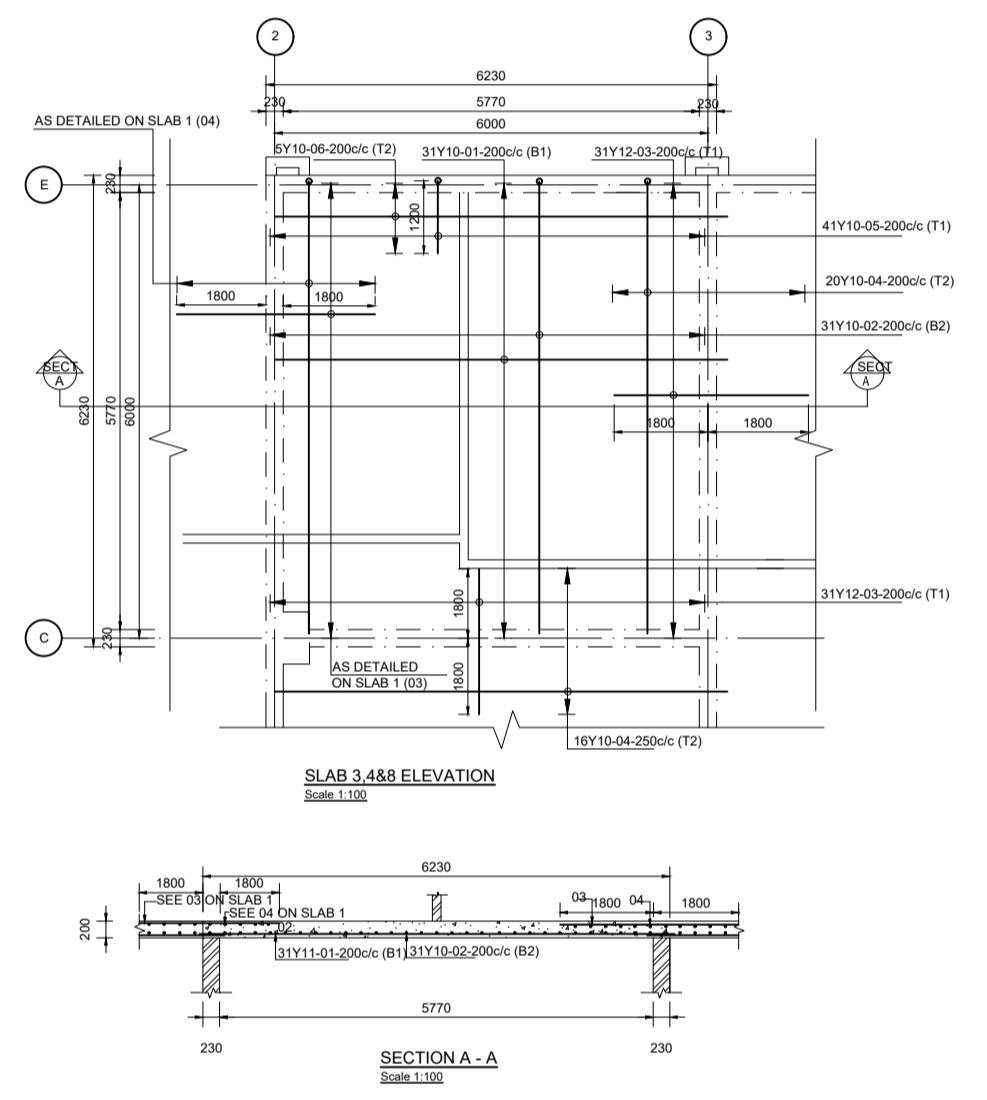
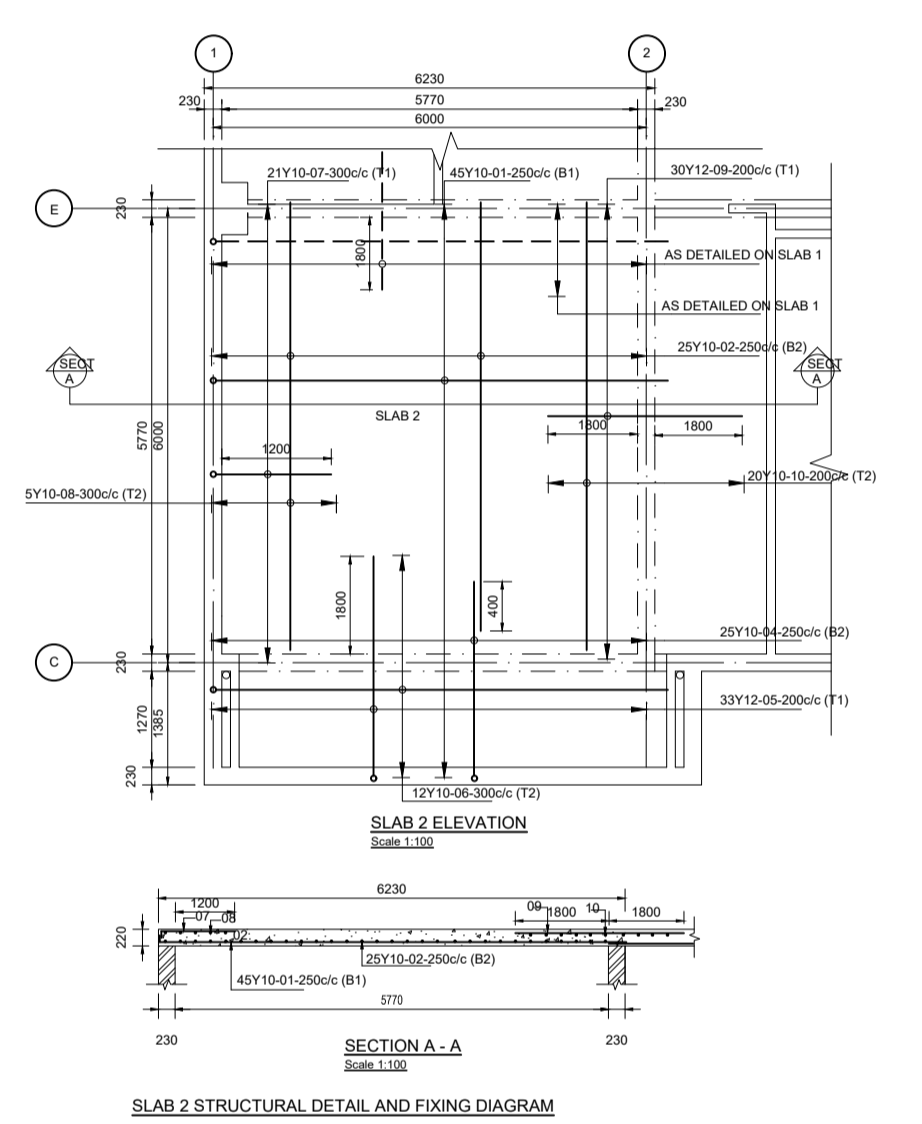
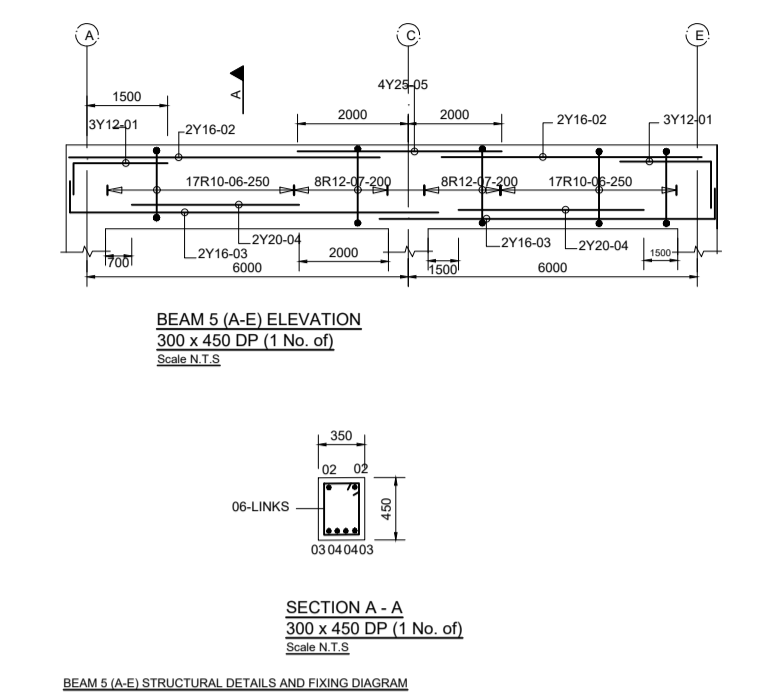
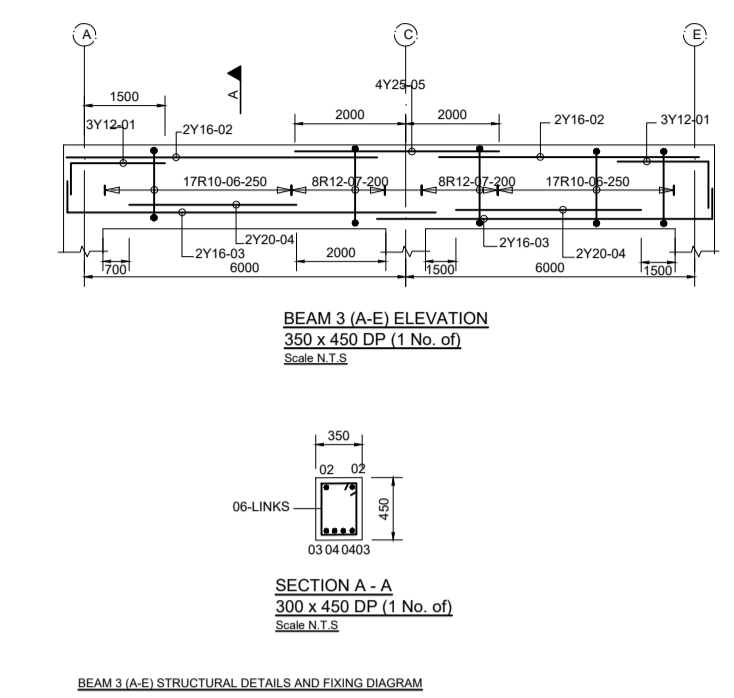
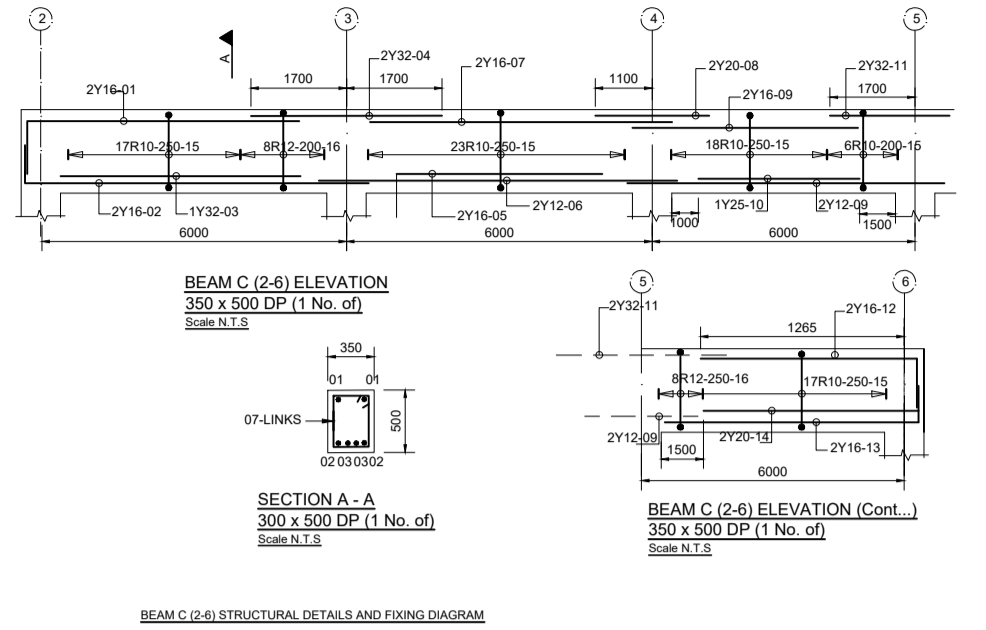
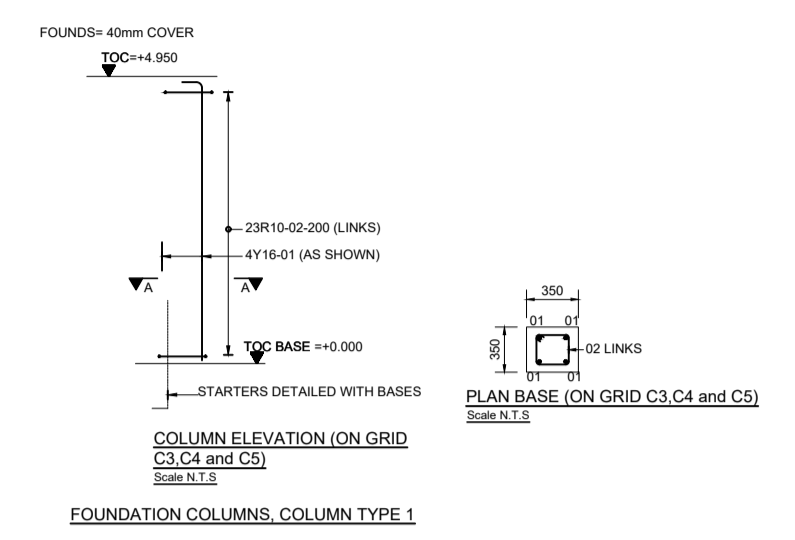
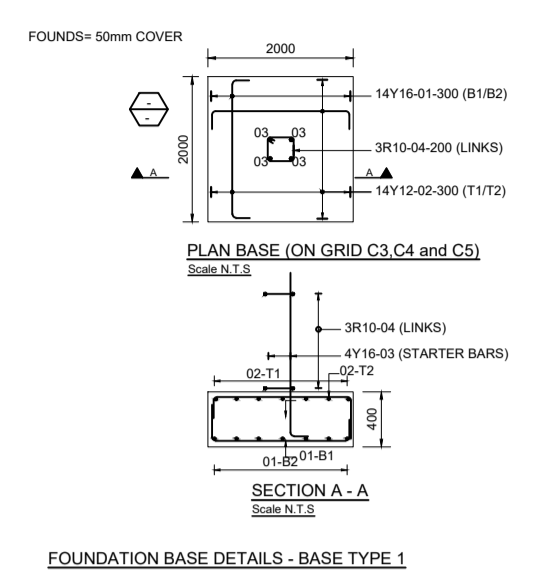
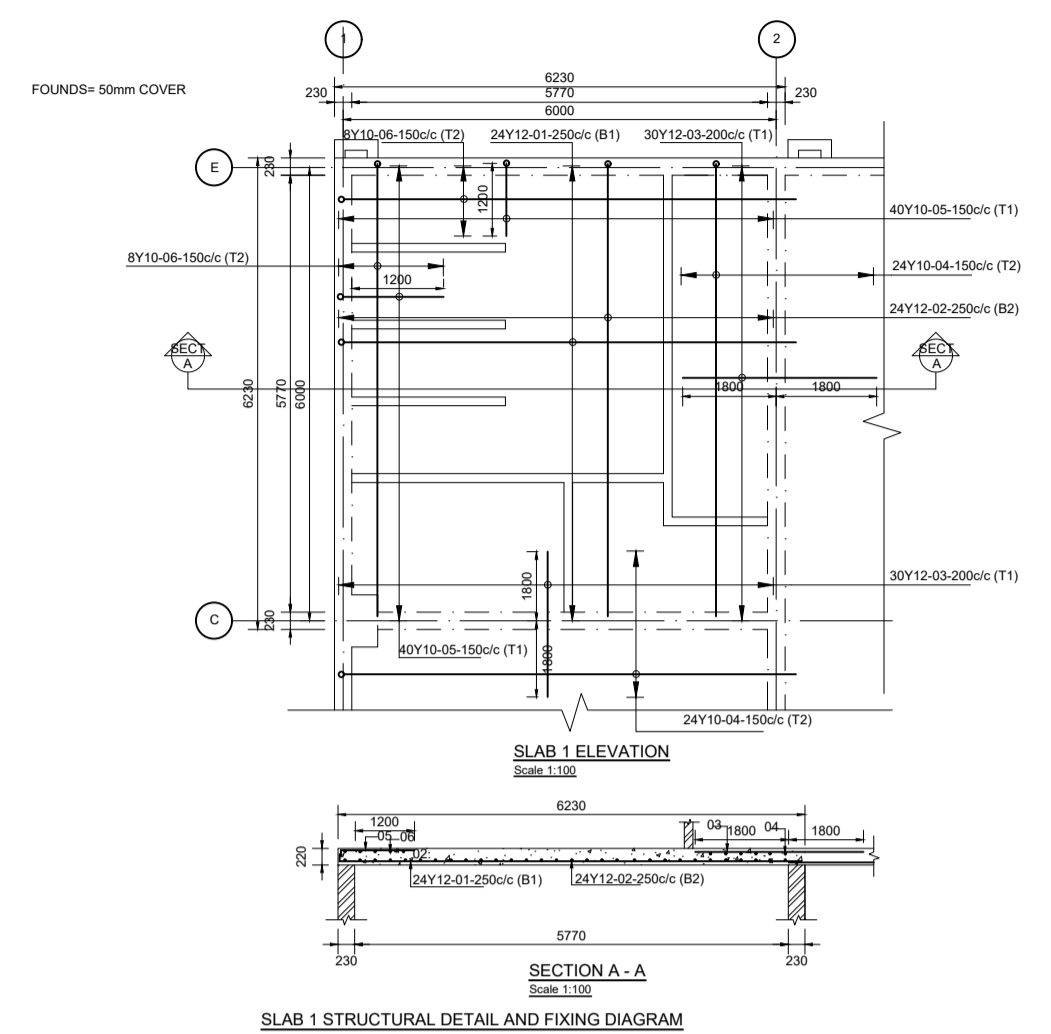


ON BEHALF OF CLIENT: SIGNATURE: _____

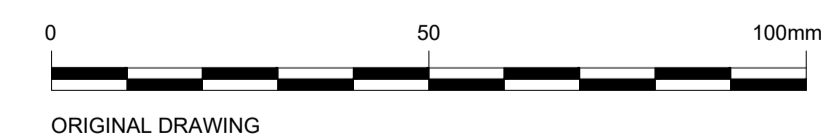
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PROJECT/DRAWING TITLE
DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE
FLOOR PLAN LAYOUT

SCALE:	1 : 100	CONTRACT No.	PWBS-B003/21/22
SHEET OF	1 OF 1	PROJECT No.	K033
DRAWING No.	K033 - B1T-101		
REVISION	T		



REFER TO FOUNDATION LAYOUT PLAN FOR ORIENTATION AND POSITIONING



T	ISSUED FOR TENDER	13/04/2021	L. HARPER	H. FUYANA
A1	SUBDIVISION AND TOWN PLANNING SUBMISSION	17/02/2021	L. HARPER	H. FUYANA
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CHECKED	H. FUYANA
PROJECT ENGINEER	HLOSOKUHLE FUYANA
REGISTRATION NO.:	2016 703 23

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PROJECT/DRAWING TITLE
DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE
STRUCTURAL DETAILS: SLABS AND BEAMS

SCALE:	1 : 100	CONTRACT No.	PWBS-B003/21/22
SHEET OF	1 1	PROJECT No.	K033
DRAWING No.			K033-B1T-200
REVISION			T

DOOR SCHEDULE		SCALE 1:500	
DOOR NUMBER	D1	D2	D3
QUANTITY	04 OFF	29 OFF	03 OFF
FRAME	HARDWOOD FRAME TO SUITE BRICKWORK. 8X44mm MERANTI ARISED ARCHTRAVES TO FLUSH FINISH WALL. FACES 16X16mm MERANTI QUADRANT DOOR REVEAL SIDES	SELECTED (ALSO UNIFORM COLOUR) 55X90 MERANTI TIMBER REBATED DOOR FRAME SELECTED (ALSO UNIFORM COLOUR) 8X44mm MERANTI ARISED ARCHTRAVES TO FLUSH FINISH WALL. FACES. 16X16mm MERANTI QUADRANT DOOR REVEAL SIDES	SELECTED 55X90 MERANTI DOOR FRAME SELECTED 8X44mm MERANTI ARISED ARCHTRAVES TO FLUSH FINISH WALL. FACES. 16X16mm MERANTI QUADRANT DOOR REVEAL SIDES
DOOR	CAPE DUTCH DEEP MOLDED DOOR-TECHFORM HARDWOOD "FIRST IMPRESSIONS" ENTRANCE DOOR BY TDM	CAPE DUTCH DEEP MOLDED DOOR TDM. BALANCED HOLLOW CORE CONSTRUCTION WITH DEEP MOULDED WOOD GRAIN FACINGS WC DOOR IN CHANGE ROOMS TO BE CUTT ON SITE AND POSITIONED 75mm OFF F.F.L	PURPOSE MADE FLUSH PANEL DOOR. DOOR SIZE: 1.000 X 2.032mm X 44mm ALLOW FOR INTERNAL SUPPORT FOR GRAB RAIL TO INSIDE WC
GLAZING	N/A	N/A	N/A
IRONMONGERY	2X BRASS BUTT HINGES PER LEAF. BOUSTREDS REF. B 2418 100X75mm UNION REF. AL5022-E10 MALE SIGN AL5022-E11 FEMALE SIGN DORMA TS71 RACK-AND-PINION DOOR CLOSER WITH ADJUSTABLE CLOSING FORCE. CLOSING SPEED AND LATCHING ACTION	UNION C280941 SC INDICATOR BOLT UNION AL8722AS RUBBER TIPPED COATHOOK BEHIND DOOR UNION NATURAL ANODISED ALUMINIUM HANGLES AND BACK PLATE WITH 3 LEVER LOCKSET UNION REF. AL6022/ 06/ AB/ 2253-76SC UNION REF. AL8730AB DOOR STOP 3 X BRASS BUTT HINGES PER LEAF. BOUSTREDS REF. B2418 100X75mm DORMA TS71 RACK-AND-PINION DOOR CLOSER WITH ADJUSTABLE CLOSING FORCE. CLOSING SPEED AND LATCHING ACTION	UNION NATURAL ANODISED ALUMINIUM HANGLES AND BACK PLATE WITH 3 LEVER LOCKSET UNION REF. AL6022/ 06/ AB/ 2253-76SC UNION REF. AL8730AB DOOR STOP 3 X BRASS BUTT HINGES PER LEAF. BOUSTREDS REF. B2418 100X75mm DORMA TS71 RACK-AND-PINION DOOR CLOSER WITH ADJUSTABLE CLOSING FORCE. CLOSING SPEED AND LATCHING ACTION
FINISH	1 COAT WOOD PRIMER - ON BARE WOOD ONLY. 1 COAT GENERAL PURPOSE UNDERCOAT. 2 COATS EGGSHELL ENAMEL AS PER FINISHING SCHEDULE. ALLOW MIN 4 HRS DRYING TIME BETWEEN EACH COAT	1 COAT WOOD PRIMER - ON BARE WOOD ONLY. 1 COAT GENERAL PURPOSE UNDERCOAT. 2 COATS EGGSHELL ENAMEL AS PER FINISHING SCHEDULE. ALLOW MIN 4 HRS DRYING TIME BETWEEN EACH COAT	TO TIMBER: APPLY ONE COAT OF OIL-BASED UNDER COAT AND TWO FINISHING COATS OF EGGSHELL ENAMEL PAINT ALLOW MIN 4 HRS DRYING TIME BETWEEN EACH COAT

GENERAL NOTES:

ALL WORK TO COMPLY WITH THE NATIONAL BUILDING REGULATIONS.

ALL LEVEL AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.

ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR.

ALL PLUMBING BY REGISTERED CONTRACTOR. ALL ELECTRICAL BY REGISTERED CONTRACTOR.

IF ON EXCAVATION IT IS FOUND TO CONTAIN EXPANSIVE CLAY. EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAIL AND UNDER HIS SUPERVISION.

FACEBRICK PLINTH OR 1,000mm WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING.

NO VEGETATION TO BE AFFECTED ON SITE.

BOUNDARY BEACONS TO BE EXPOSED AND DEMARKED.

GLASS THICKNESS TO COMPLY WITH NN2 SAFETY GLAZING IN ACCORDANCE WITH NN3 REQUIRED.

POWDER COATED BLACK ALUMINIUM FRAMED SECTIONS OF 25 MICRONS.

VENTILATORS TO BE PIVOT-HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES

GLAZING SHALL BE EXECUTED IN STRICT CONFORMANCE WITH GLASS MANUFACTURES RECOMMENDATIONS AND ALL IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS PART N. SABS 0137, SABS 0400, SABS 1263 & AAAMSA SELECTION GLAZING MATERIALS

A WARRANTY IS TO BE PROVIDED THAT THE MANUFACTURER OF THE LAMINATED SAFETY GLASS AND/OR HERMETICALLY SEALED GLAZING UNITS WARRANTS THE PRODUCT AGAINST DELAMINATION & COLOUR DEGRADATION FOR THE PERIOD OF NOT LESS THAN 5 YEARS

ALL SAFETY GLAZING MATERIALS (INDIVIDUAL PANELS) SHALL BE PERMANENTLY MARKED SUCH MARKING TO BE VISIBLE AFTER GLAZING

ALL POWDER COATING SHALL BE EXECUTED ONLY BY APPLICATORS APPROVED BY POWDER MANUFACTURES AND SHALL BE EXECUTED STRICTLY IN CONFORMANCE WITH SABS 1796. A GUARANTEE OF NOT LESS THEN 10 YEARS IS TO BE PROVIDED AGAINST PEELING AND DISCOLOURATION

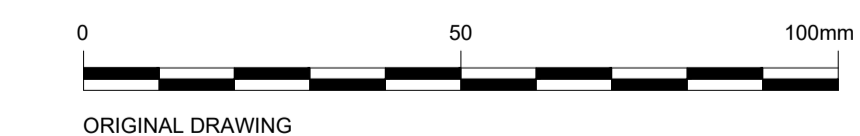
ALL DISCREPANCIES TO BE BROUGHT TO THE ARCHITECTS IMMEDIATE ATTENTION

WINDOW SCHEDULE		SCALE 1:50		SCALE 1:100	
WINDOW NUMBER	W1	W2	W3	W4	W5
QUANTITY	11 OFF	02 OFF	03 OFF	20 OFF	06 OFF
FRAME	POWDER COATED BLACK ALUMINIUM FRAMED WINDOW SECTION OF 25 MICRONS VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	POWDER COATED BLACK ALUMINIUM FRAMED WINDOW SECTION OF 25 MICRONS VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	POWDER COATED BLACK ALUMINIUM FRAMED WINDOW SECTION OF 25 MICRONS VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	POWDER COATED BLACK ALUMINIUM FRAMED WINDOW SECTION OF 25 MICRONS VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	POWDER COATED BLACK ALUMINIUM FRAMED WINDOW SECTION OF 25 MICRONS VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.
GLAZING	PACIFIC OBSCURE GLASS TO COMPLY WITH PART N SABS 0400	PACIFIC OBSCURE GLASS TO COMPLY WITH PART N SABS 0400	SAFETY GLAZING TO COMPLY WITH THE NBR PART N, SABS 0137, SABS 0400, SABS 1263 AND AAAMSA SELECTION GUIDE	SAFETY GLAZING TO COMPLY WITH THE NBR PART N, SABS 0137, SABS 0400, SABS 1263 AND AAAMSA SELECTION GUIDE	SAFETY GLAZING TO COMPLY WITH THE NBR PART N, SABS 0137, SABS 0400, SABS 1263 AND AAAMSA SELECTION GUIDE
IRONMONGERY	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS WEDGELESS HANDLES BY "WISPECO"	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS WEDGELESS HANDLES BY "WISPECO"	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS WEDGELESS HANDLES BY "WISPECO"	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS WEDGELESS HANDLES BY "WISPECO"	AS SUPPLIED WITH WINDOW BY WISPECO
FINISH	POWDER COATED BLACK ALUMINIUM OF 25 MICRONS. ALL POWDER COATING SHALL BE EXECUTED ONLY BY APPLICATORS APPROVED BY POWDER MANUFACTURES AND SHALL BE EXECUTED STRICTLY IN CONFORMANCE WITH SABS 1796. A GUARANTEE OF NOT LESS THEN 10 YEARS IS TO BE PROVIDED AGAINST PEELING AND DISCOLOURATION	POWDER COATED BLACK ALUMINIUM OF 25 MICRONS. ALL POWDER COATING SHALL BE EXECUTED ONLY BY APPLICATORS APPROVED BY POWDER MANUFACTURES AND SHALL BE EXECUTED STRICTLY IN CONFORMANCE WITH SABS 1796. A GUARANTEE OF NOT LESS THEN 10 YEARS IS TO BE PROVIDED AGAINST PEELING AND DISCOLOURATION	POWDER COATED BLACK ALUMINIUM OF 25 MICRONS. ALL POWDER COATING SHALL BE EXECUTED ONLY BY APPLICATORS APPROVED BY POWDER MANUFACTURES AND SHALL BE EXECUTED STRICTLY IN CONFORMANCE WITH SABS 1796. A GUARANTEE OF NOT LESS THEN 10 YEARS IS TO BE PROVIDED AGAINST PEELING AND DISCOLOURATION	POWDER COATED BLACK ALUMINIUM OF 25 MICRONS. ALL POWDER COATING SHALL BE EXECUTED ONLY BY APPLICATORS APPROVED BY POWDER MANUFACTURES AND SHALL BE EXECUTED STRICTLY IN CONFORMANCE WITH SABS 1796. A GUARANTEE OF NOT LESS THEN 10 YEARS IS TO BE PROVIDED AGAINST PEELING AND DISCOLOURATION	POWDER COATED BLACK ALUMINIUM OF 25 MICRONS. ALL POWDER COATING SHALL BE EXECUTED ONLY BY APPLICATORS APPROVED BY POWDER MANUFACTURES AND SHALL BE EXECUTED STRICTLY IN CONFORMANCE WITH SABS 1796. A GUARANTEE OF NOT LESS THEN 10 YEARS IS TO BE PROVIDED AGAINST PEELING AND DISCOLOURATION

REFER TO ELEVATIONS FOR POSITIONS OF VENTILATORS

ALL WINDOWS ARE AS SHOWN AS VIEWED FROM OUTSIDE AND DOTTED LINES INDICATE OPENING SASHES

ALL OPENINGS MUST BE MEASURED ON SITE PRIOR TO COMMENCEMENT OF MANUFACTURE.



T	ISSUED FOR TENDER	13/04/2021	L. HARPER	H. FUYANA
A1	SUBDIVISION AND TOWN PLANNING SUBMISSION	17/02/2021	L. HARPER	H. FUYANA
A	ISSUED FOR APPROVAL	19/11/2020	L. HARPER	H. FUYANA
△	DESCRIPTION OF REVISION(S)	DATE	CHECKED	APPROVED

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PROJECT/DRAWING TITLE

DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY

THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE

WINDOWS AND DOOR SCHEDULE

SCALE:	1 : 100	CONTRACT No.	PWBS-B003/21/22
SHEET OF	1 1	PROJECT No.	K033
DRAWING No.			K033-B1T-201
REVISION			T

FINISHING SCHEDULE

ROOM DESCRIPTION	FLOORS	WALLS	SKIRTINGS	WINDOW SILLS	CEILINGS	GENERAL	SANITARY FITTINGS	FIXTURES
1 SUPPLY STORE	FF1; FF2; FF6	WL1; WL2	SK1		CL1	GN1		
2 FIRE EQUIPMENT STORE RM	FF1; FF2; FF6	WL1; WL2	SK1		CL1	GN1		FO4
3 FIRE TENDERS	FF1; FF2; FF6	WL1; WL2; WL5	SK1		CL3	GN1; GN3		
4 PORCH	FF4	WL7	SK1		CL1	GN1		
5 RECEPTION	FF2; FF3	WL1;WL2	SK1	WC1; WC2	CL1	GN3; GN5		FO4
6 SUPPLY STORE	FF2; FF3	WL1;WL2	SK1		CL1			
7 OFFICE	FF2; FF3	WL1;WL2	SK1	WC1; WC2	CL1	GN1; GN5; NG6		
8 STAFF RECEPTION ROOM	FF2; FF3	WL1;WL2	SK1	WC1; WC2	CL1	GN1; GN3; NG5; NG6		FO8
9 KITCHEN	FF2; FF3	WL1;WL2; WL4	SK1	WC1; WC2	CL1	GN1; GN5; NG6	SO5	FO1
10 MALE CHANGE ROOM	FF2; FF3	WL1;WL2; WL3	SK1	WC1; WC3	CL1	GN1; GN6	SO2; SO3	FO2;FO3;FO4;FO5;FO6, FO7;FO8;FO11
11 FEMALE CHANGE ROOM	FF2; FF3	WL1;WL2; WL3	SK1	WC1; WC3	CL1	GN1; GN6	SO2; SO3	FO2;FO3;FO4;FO5;FO6, FO7;FO8;FO11;FO12
12 PASSAGE (FIRST FLOOR)	FF2; FF3; FF5	WL1;WL2;	SK1		CL2	GN3; GN5		
13 BOARDROOM	FF2; FF3; FF5	WL1;WL2;	SK1	WC1; WC2	CL2	GN1; GN3		
14 FIRE CHIEF'S OFFICE	FF2; FF3; FF5	WL1;WL2;	SK1	WC1; WC2	CL2	GN1; GN5; NG6		
15 PA TO FIRE CHIEF	FF2; FF3; FF5	WL1;WL2;	SK1	WC1; WC2	CL2			
16 "I" VISION ROOM	FF2; FF3; FF5	WL1;WL2;	SK1	WC1; WC2	CL2			FO10
17 CONTROL ROOM	FF2; FF3; FF5	WL1;WL2;	SK1	WC1; WC2	CL2	GN1; GN2; NG5; NG6		FO10
18 SERVER ROOM	FF2; FF3; FF5	WL1;WL2;	SK1		CL2	GN1		
19 ABLUTIONS	FF2; FF3; FF5	WL1;WL2; WL3	SK1	WC1; WC3	CL2	GN4; GN6	SO1; SO2; SO3;SO4	FO2;FO4;FO5;FO6, FO7;FO11;FO12
20 STORAGE (FIRST FLOOR)	FF2; FF3; FF5	WL1;WL2; WL6	SK1		CL3	GN1; GN3		

GENERAL NOTES:

ALL WORK TO COMPLY WITH THE NATIONAL BUILDING REGULATIONS.

ALL LEVEL AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.

ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR.

ALL PLUMBING BY REGISTERED CONTRACTOR. ALL ELECTRICAL BY REGISTERED CONTRACTOR.

IF ON EXCAVATION IT IS FOUND TO CONTAIN EXPANSIVE CLAY, EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAIL AND UNDER HIS SUPERVISION.

FACEBRICK PLINTH OR 1.000m WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING.

NO VEGETATION TO BE AFFECTED ON SITE.

BOUNDARY BEACONS TO BE EXPOSED AND DEMARKED.

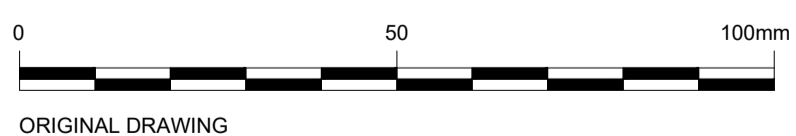
GLASS THICKNESS TO COMPLY WITH NN2 SAFETY GLAZING IN ACCORDANCE WITH NN3 REQUIRED.

SPECIFICATION

FLOORS			
FF1-	POWDER FLOATED CONCRETE FLOOR TO PR. ENG'S DETAIL IN ACCORDANCE WITH SABS 0109		
FF2-	3 X 25mm BRASS DIVIDING STRIP AT ALL EXTERNAL THRESHOLDS		
FF3-	400 X 400 X + 7MM PEE 4/5mm RATED UNPOLISHED PORCELAIN TILE LAID WITH AN APPROVED ADHESIVE WITH APPROXIMATELY 4/5mm JOINTS AND POINTING WITH APPROVED GROUTING. COLOUR: AS PER ARCHITECTS APPROVAL.		
FF4-	400 X 400 X + 7MM PEE 4/5mm RATED NON-SLIP PORCELAIN TILE LAID WITH AN APPROVED ADHESIVE WITH APPROXIMATELY 4/5mm JOINTS AND POINTING WITH APPROVED GROUTING. COLOUR: AS PER ARCHITECTS APPROVAL.		
FF5-	REINFORCED CONCRETE SLAB TO PR ENG'S DETAILS.		
FF6-	COLOUR HARDER BY CONCRETE APPLICATION. SURFACE TO BE DAMP BUT NOT GUSTENING WITH WATER. SURFACE CAN BE DE- WATERED BY VACUUM PRIOR TO APPLICATION. APPLY BY DRY SHAKE HAND METHOD AT THE RATE OF ABOUT 3 TO 5 KG/M² BY DUSTING DIRECTLY ONTO SURFACE AND FLOAT TO OBTAIN EVEN COLOUR. FOR BEST RESULTS APPLY IN TWO OPERATIONS: THE FIRST WITH ABOUT 60%% OF THE COLOUR HARDENER REQUIRED AND, ONCE FLOATED, THE BALANCE WHERE NECESSARY. FINISH WITH A MECHANICAL OR HARD STEEL FLOAT TO A SMOOTH FINISH.		
FF7-	TARMAC LAID TO FALL TO STORM WATER SUMP TO PR. ENG'S DETAIL		
FF8-	HEAVY DUTY CONCRETE PAVING LAID TO FALL TO STORM WATER SUMP TO PR. ENG'S DETAIL		
WALLS			
WL1-	12mm CEMENT PLASTER FINISHED WITH STEEL TROWEL		
WL2-	ENSURE PLASTER IS DRY, FIRM, FREE OF DUST, DIRT, GREASE AND OIL BEFORE APPLYING MERIT ALKALI RESISTANT PLASTER (UC56) WITH APPROVED WHITE PVA WASHABLE PAINT (2COATS) AS PER MANUFACTURE'S SPECIFICATION		
WL3-	300 X 200 GLAZED CERAMIC TILES LAID WITH APPROVED TILE ADHESIVE IN A RECTANGULAR PATTERN TO CEILING HEIGHT. ALLOW FOR CILICONE SEAL AGAINST FITTINGS WHERE REQUIRED		
WL4-	WHITE GLAZED SPLASHBACK TILES ABOVE SANITARY FITTINGS.		
WL5-	FACEBRICK OUTER FACE OF INNER SKIN TO BE BAG-WASHED + 2 COATS OF BRICK SEAL OR EQUAL. TYPE: BUFF SATIN BY "COROBRICK" AND TERRACOTTA SATIN ON ALL COLUMNS.		
WL6-	GAMMA ZENITH PLASTER FINISH WITH 32mm SQUARE RECESSED BANDS		
WL7-	TRAVERTINE WALL CLADDING BY SPECIALIST		
SKIRTINGS			
SK1-	100mm HIGH CUT PORCELAIN TILE TO MATCH FLOOR TILES, LAID WITH AN APPROVED ADHESIVE WITH APPROXIMATELY 4/5mm JOINTS AND POINTING WITH APPROVED GROUTING.		

WINDOW SILLS	
WC1-	EXTERNAL BRICK ON EDGE. BED ON AND INCLUDING (3:1) CEMENT MORTAR WITH POINTED HORIZONTAL AND VERTICAL JOINTS. TYPE: BUFF SATIN COROBRICK
WC2-	INTERNAL: CEMENT PLASTER FINISHED SMOOTH WITH STEEL TROWEL
WC3-	INTERNAL: CEMENT PLASTER PLUS GLAZED CERAMIC TILES TO MATCH WALL TILES
CEILINGS	
CL1-	12mm CEMENT PLASTER 1:5 WITH SMOOTH STEEL TROWEL FINISH TO CONCRETE SLAB SOFFIT. ENSURE THAT PLASTER IS DRY, FIRM, FREE OF DUST, DIRT, GREASE AND OIL BEFORE APPLYING MERIT ALKALI RESISTANT PLASTER PRIMER (UC56) WITH WHITE ROAD MARKING PAINT(2COATS) AS PER MANUFACTURES SPECIFICATION
CL2-	'EVERITE VINYL CLAD' CEILING BOARDS -595mm X 1,1195mm SUSPENDED IN AN OPEN T-GRID SYSTEM. T38 MAIN T (685-297) WHITE; HOLD DOWN CLIPS (685-121) 4mmØ SUSPENSION RODS (685-019); 4mmØ SUSPENSION HOOKS (685-016); SUSPENSION CLIPS (685-017); T-SUSPENSION PLATES (685-019); INCLUDING ALL CUTTING AND WASTE
CL3-	INDUSTRIAL SISALATION INSULATION INSTALLED WITH STRAINING WIRES AS PER MANUFACTURER'S SPECIFICATION
GENERAL	
GN1-	EXPANSION JOINTS WITH BITUMEN IMPREGNATED SOFTBOARD BETWEEN VERTICAL CONCRETE AND BRICK SURFACES
GN2-	2.5kg DRY CHEMICAL TYPE FIRE EXTINGUISHER PLACING OF ALL FIRE EXTINGUISHERS AND SIGN POSTING ETC. SUBJECT TO DIRECTION OF THE FIRE DEPARTMENT. MARKING AND SIGN POSTING TO COMPLY WITH TT29 AND TT32.3 OF SABS 0400 HYDRANTS TO ENG'S DETAILS AND POSITIONING
GN3-	5kg DRY CHEMICAL TYPE FIRE EXTINGUISHER PLACING OF ALL FIRE EXTINGUISHERS AND SIGN POSTING ETC. SUBJECT TO DIRECTION OF THE FIRE DEPARTMENT. MARKING AND SIGN POSTING TO COMPLY WITH TT29 AND TT32.3 OF SABS 0400 HYDRANTS TO ENG'S DETAILS AND POSITIONING
GN4-	2X200 LITRE 'MEGALFO DUAL 1000 SQUARE HIGH PRESSURE WATER HEATER COMPLETE WITH MIXER AND NECESSARY VALVES AND FITTINGS MOUNTED ABOVE MEZZANINE CEILING SPACE AS PER MANUFACTURERS INSTRUCTION TO PR. ENG'S APPROVAL
GN5-	90mm "ALUVERT" VERTICAL FABRIC BLINDS WITH NATURAL ANODIZED ALUMINIUM HEADRAIL (44.5X25mm) FIXED WITH QUICK FIX FITTING CLIPS FITTED IN ACCORDANCE MANUFACTURERS SPECIFICATION COLOUR AS PER ARCHITECTS SPECIFICATION
GN6-	20mm X 5mm THICK ALUMINIUM BAND TO FORM BURGLAR BARS FIXED TO INSIDE OF ALL OPENABLE WINDOWS

SANITARY FITTINGS	
SO1-	VAAL "BANTAM" BASIN WITH 2 TAPHOLES AND INTEGRATED OVERFLOW AND CHAINSTAY HOLE CODE: 7030 FIXED TO WALL WITH 2 X 10mm BOLTS CODE: 844820
SO2-	VAAL "HIBISCUS" BASIN WITH 1 TAPHOLE INTEGRATED OVERFLOW AND CHAINSTAY HOLE CODE: 7023 SUPPORTED ON A CLASSIC FLOOR MOUNTED PEDESTAL CODE: 7150
SO3-	VAAL "DAISY" SEMI-CLOSE COUPLED 90° OUTLET OPEN RIM WASHDOWN PAN (CODE 751400) AND MATCHING 6 LITRE TOP SINGLE FLUSHING CISTERN (CODE751455) COMPLETE WITH LID, FITMENTS AND FLUSH PIPE ELBOW
SO4-	VAAL "PROTEA PARAPLEGIC" 90° OUTLET PAN (CODE 750200) AND MATCHING 9 LITRE CISTERN (CODE 710631) COMPLETE WITH LID, AN FITMENTS, AND PURPOSE -MADE CP SIDE FLUSH LEVER. 32mm STAINLESS STEEL SIDE GRAB RAIL (CODE DL12). 32mm STAINLESS STEEL REAR GRAB RAIL AROUND CISTERN (CODE SR2)
SO5-	FRANKE CITILINE STAINLESS STEEL SINGLE END BOWL SINK MODEL: DT 100 E CODE 31 1000 SIZE: 1000 X 0, 457. SINK TO BE FITTED ON TO FORMICA WORKTOP AND MELAMINE CUPBOARD WITH WRAP DOORS
FITTINGS AND FIXTURES	
FO1-	STELLA SINK MIXER, ONE HOLE, SWIVEL OUTLET, BY "COBRA" CODE: 3392 ST
FO2-	STELLA BASIN MIXER, ONE HOLE, WASTE, PLUG AND CHAIN BY "COBRA" CODE: 3294 ST
FO3-	STELLA SHOWER SET, FXF BY "COBRA" CODE: 3328 ST
FO4-	"FRANKE CHRONOS MIRROR" MODEL M500R) FSA CODE 359904-400X500mm, MANUFACTURED FROM 18/10 STAINLESS STEEL WITH A REFLECTIVE POLISHED SURFACE, DRILLED FOR SCREW TO WALL FIXING AND REINFORCED WITH NOVAPAN PLATES.
FO5-	"FRANKE CHRONOS TOILET ROLL HOLDER" MODEL CHR9 672 E - MANUFACTURED FROM 0.8mm THICK 18 /10 STAINLESS STEEL WITH A SINGLE PEACE PRESSED LID, WELDED CONTAINER AND CYLINDER LOCK WITH STANDARD "FRANKE" KEY- SATIN FINISH. 2 ROLL DISPENSER
FO6-	"FRANKE CHRONOS WASTE DISPOSAL BIN" MODEL BS 612V MANUFACTURED FROM 18/ 10 STAINLESS STEEL WITH A DEEP DRAWN LID, WELDED CONTAINED. STAINLESS STEEL CONTINUOUS PIANO HINGE AND WALL TRIM FOR RECESS INSTALLATION- SATIN FINISH
SO7-	HAND DRIER BY "STIEBEL ELTRON" SIZE: 250 X 238 X 230 TYPE: HTE 4 ELECTRONIC. ORDER No.: 07 30 07
SO8-	MID STEEL TWO TIER LOCKERS BY "HADCOR" SIZE: 1,800 X 300mm X 450mm
SO9-	RECEPTION COUNTER AND BULKHEAD OVER, DESIGNED, SUPPLIED AND INSTALLED BY SPECIALIST TO ARCHITECTS APPROVAL
SO10-	CONTROL ROOM AND "I" VISION ROOM WORKTOPS AND FURNITURE, DESIGNED, SUPPLIED AND INSTALLED BY SPECIALIST TO ARCHITECTS APPROVAL
SO11-	RECESSED LIQUID SOAP DISPENSER BY FRANKE -CODE BS 619
SO12-	SANITARY TOWEL DISPOSAL BIN BY FRANKE - CODE DISBIN



ISSUED FOR TENDER	DATE	CHECKED	APPROVED
T	13/04/2021	L. HARPER	H. FUYANA
A1	17/02/2021	L. HARPER	H. FUYANA
A	19/11/2020	L. HARPER	H. FUYANA
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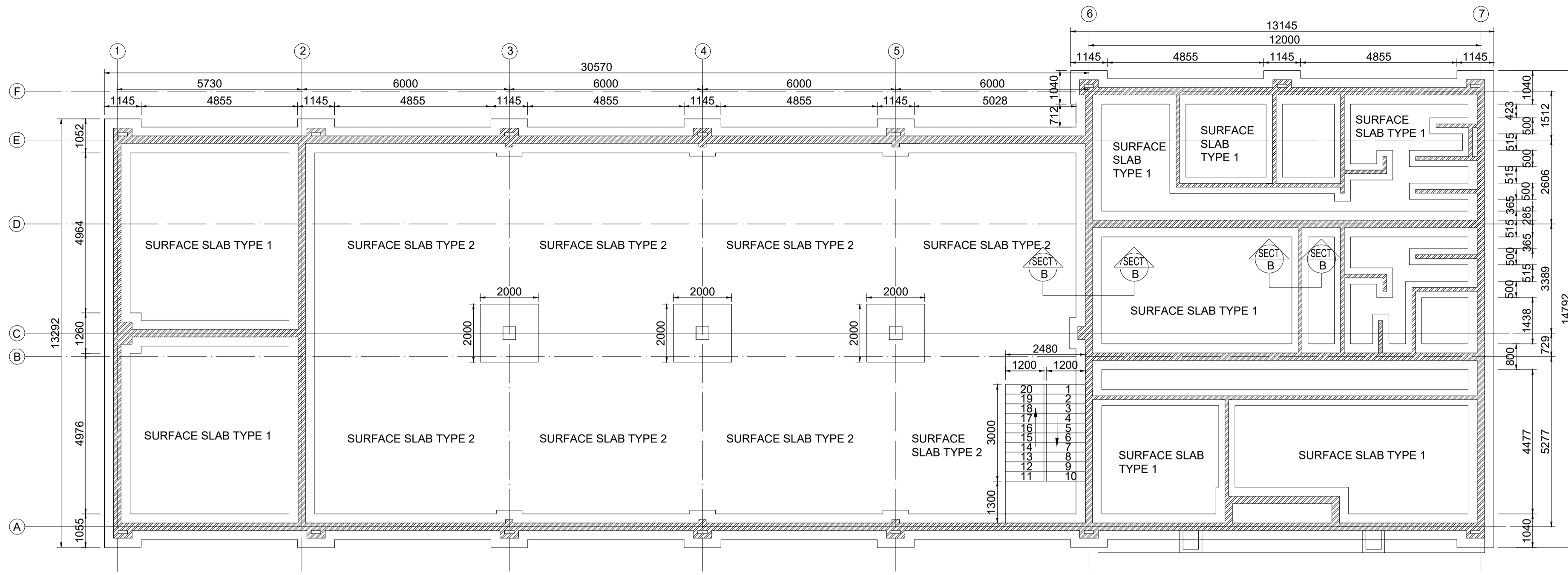
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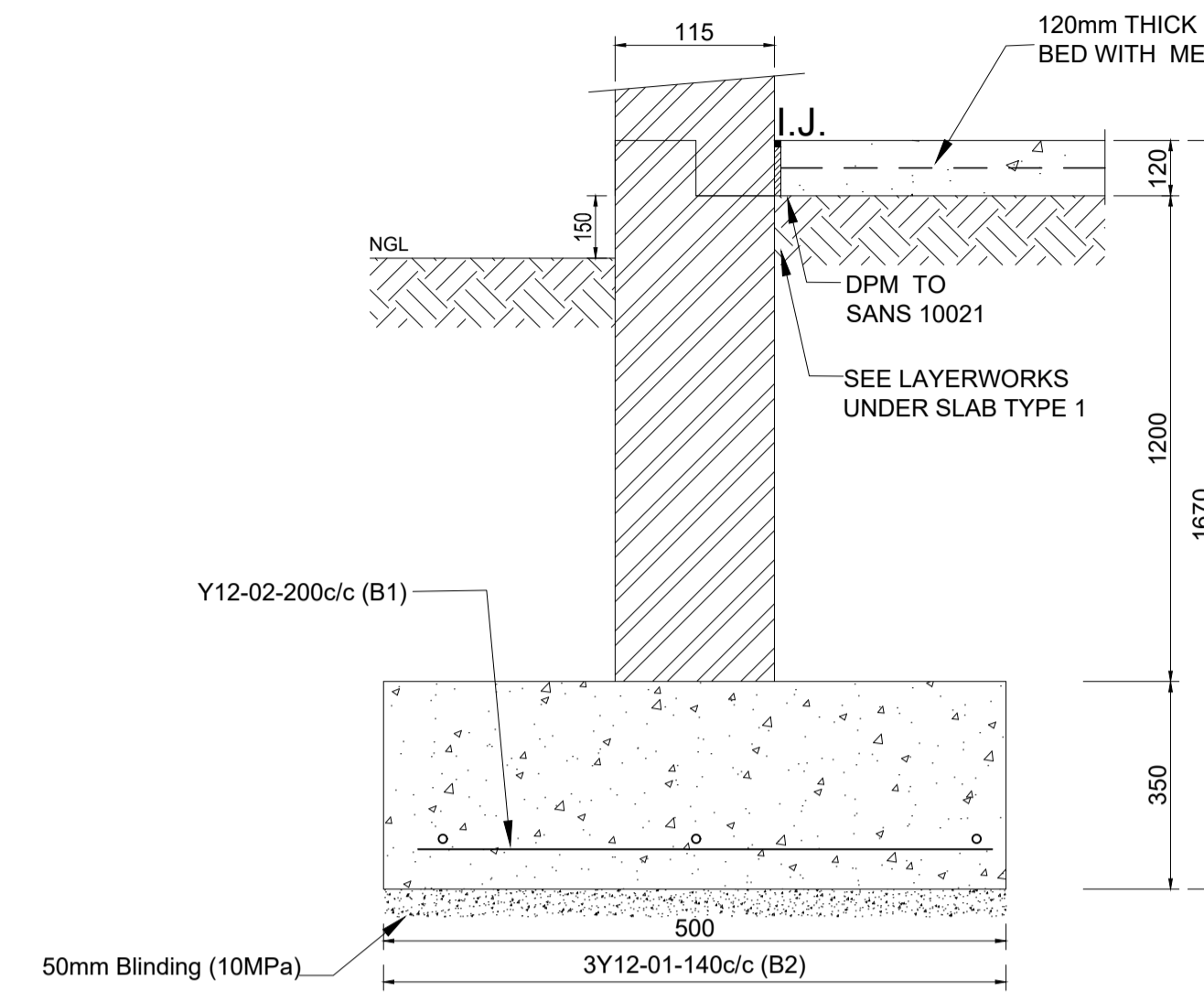
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 ON BEHALF OF CLIENT: SIGNATURE: _____

PROJECT/DRAWING TITLE	DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
	THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE
	GENERAL FINISHES AND SPECIFICATIONS

SCALE: 1 : 100	CONTRACT No. PWBS-B003/21/22
SHEET OF 1 1	PROJECT No. K033
DRAWING No.	K033-B1T-202
REVISION	T



FOUNDATION LAYOUT PLAN
Scale 1:100

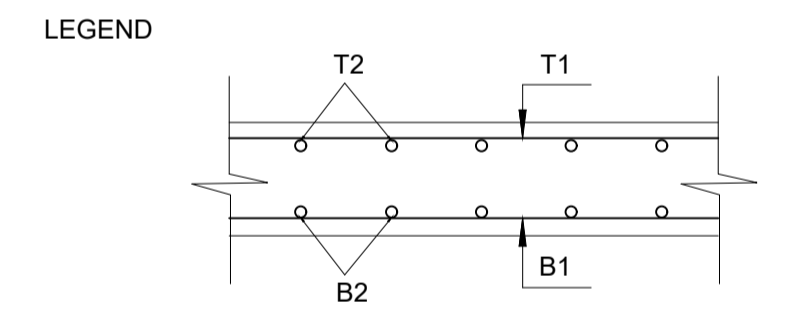


SECTION A-A
500mm WIDE STRIP FOOTING
(UNDER NON-LOAD BEARING WALLS)
Scale: NTS

- GENERAL NOTES**
- THIS DRAWING IS NOT TO BE SCALED. FIGURE DIMENSIONS TO BE USED ALL THE TIME.
 - THE CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF THE BUILDING, ALL EXTERNAL AND INTERNAL WALLS WITH PARTICULAR REFERENCE TO BOUNDARIES, BUILDINGS ETC.
 - THE CONTRACTOR IS TO VERIFY ALL LEVELS, HEIGHTS AND DIMENSIONS BEFORE EXECUTING ANY WORKS AND REPORT DISCREPANCIES TO THE ENGINEER.
 - THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH CIVIL AND ARCHITECTURAL DRAWINGS.
 - QUALITY OF MATERIALS & WORKMANSHIP TO COMPLY WITH RELEVANT SABS SPECIFICATIONS AND SHALL CONFORM TO MINIMUM STANDARDS.

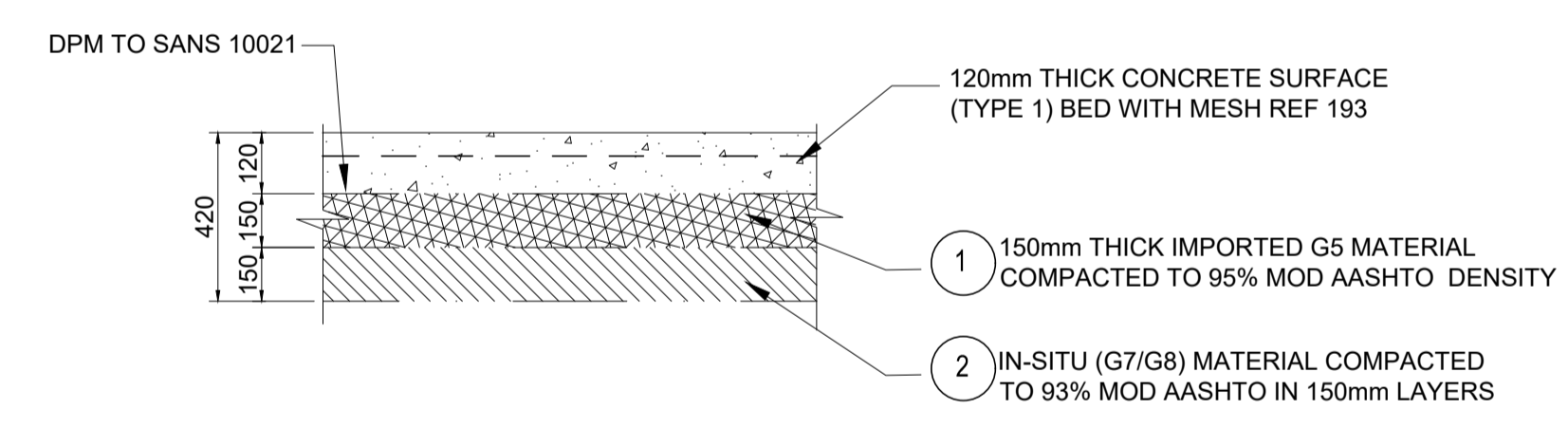
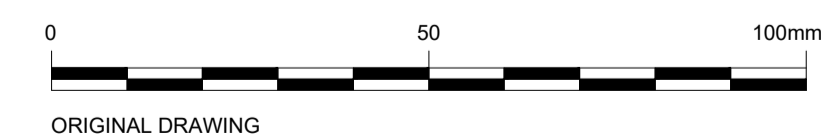
- CONCRETE**
- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS BELOW. THE CONTRACTOR IS TO PROVIDE STRENGTH RESULTS TO CONFIRM CONCRETE GRADES:
 - BLINDING: 10MPa/19mm
 - BASES AND GROUND BEAMS: 30MPa/19mm
 - COLUMNS, BEAMS, SLABS AND STAIR CASES: 30MPa/19mm
 - SURFACE BEDS AND RAUPTS: 30MPa/19mm
 - CURING OF CONCRETE SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH SABS 1200G
 - ALL CONCRETE WORKS SHALL COMPLY WITH SABS 1200G
 - 100mm KICKERS FOR COLUMNS HAVE BEEN ALLOWED. KICKERS SHALL BE CAST WITH SAME STRENGTH AND BE MONOLITHIC WITH WITH CONCRETE ELEMENTS BELOW
 - STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SABS 1200G
 - ALL COLUMNS ARE PLACED SYMMETRICALLY ON GRID LINES UNLESS OTHERWISE SHOWN

- REINFORCEMENT**
- THE CONTRACTOR SHALL INSPECT AND APPROVE THE FIXED REINFORCEMENT BEFORE THE ENGINEER IS NOTIFIED. ALL REINFORCEMENT TO BE APPROVED IN WRITING BY THE ENGINEER BEFORE CASTING OF CONCRETE COMMENCES
 - BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SABS 082 AND SABS 9144
 - REINFORCEMENT SHALL BE FIXED TO COMPLY WITH THE TOLERANCES AS SPECIFIED IN SABS 1200G AND PROJECT SPECIFICATIONS
 - NO HEAT TREATMENT FOR CUTTING OF REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER 4. MINIMUM CONCRETE COVER TO REINFORCEMENT, EXCEPT WHERE NOTED OTHERWISE OIS AS FOLLOWS:
- | | |
|-----------------|------|
| BEAMS: | 25mm |
| SLABS: | 25mm |
| COLUMNS: | 30mm |
| STAIRCASE: | 25mm |
| STUB COLUMNS: | 40mm |
| BASES: | 40mm |
| STRIP FOOTINGS: | 40mm |
-



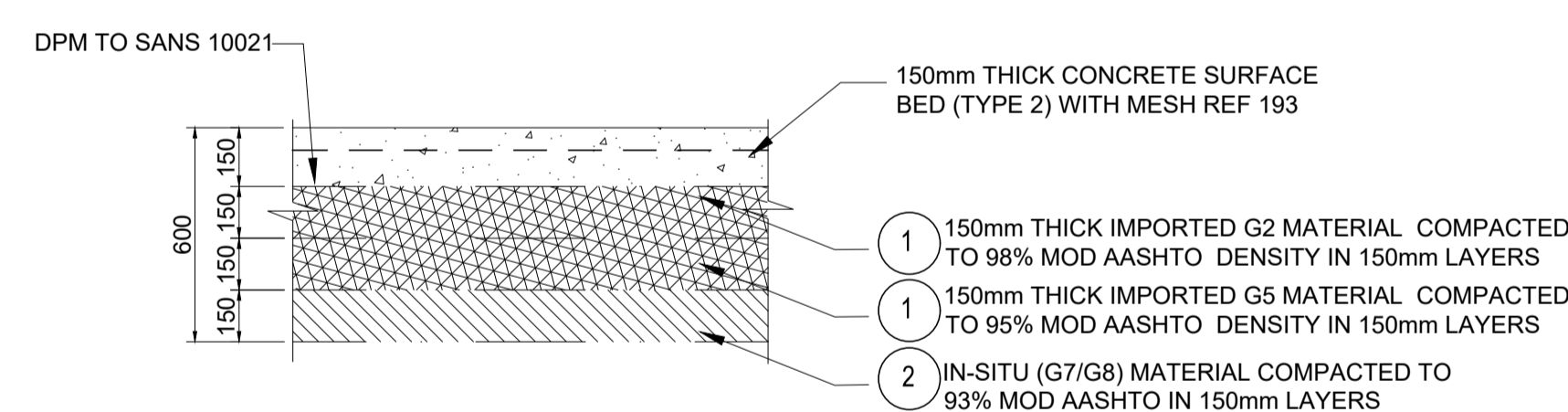
- FOUNDATIONS AND EARTHWORKS**
- MAXIMUM SOIL BEARING PRESSURE UNDER FOUNDATIONS IS 150KPa
 - ALL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY BLINDING IS CAST
 - A 50mm THICK BLINDING LAYER OF 10MPa/19mm CONCRETE GRADE SHALL BE CAST UNDER ALL BASES
 - ALL FOOTINGS ARE PLACED SYMMETRICALLY BELOW COLUMNS UNLESS OTHERWISE SHOWN
 - ALL STRIP FOOTINGS ARE PLACED SYMMETRICALLY BELOW COLUMNS OR WALLS UNLESS OTHERWISE SHOWN
 - ALL COLUMNS ARE PLACED SYMMETRICALLY BELOW COLUMNS OR WALLS UNLESS OTHERWISE SHOWN
 - ALL EARTHWORKS IN ACCORDANCE WITH SABS 1200G OR ANY LATEST REVISIONS. THE CONTRACTOR IS TO PROVIDE COMPACTION TEST RESULTS FOR EACH LAYER, AND BEFORE THE TOP LAYER.
 - ALL COMPACTION TO BE AS PER SPECIFICATIONS

- BRICKWORKS**
- ALL LOAD BEARING WALLS TO BE CONSTRUCTED USING COMMON BRICKS OF 7MPa MINIMUM STRENGTH AND CLASS II MORTAR 1. THE CONTRACTOR IS TO PROVIDED STRENGTH RESULTS FOR ALL BRICKS USED
 - THE CONTRACTOR IS TO PROVIDED STRENGTH RESULTS FOR ALL BRICKS USED
 - BRICKFORCE TO BE PROVIDED AS PER ARCHITECTURAL'S SPECIFICATIONS



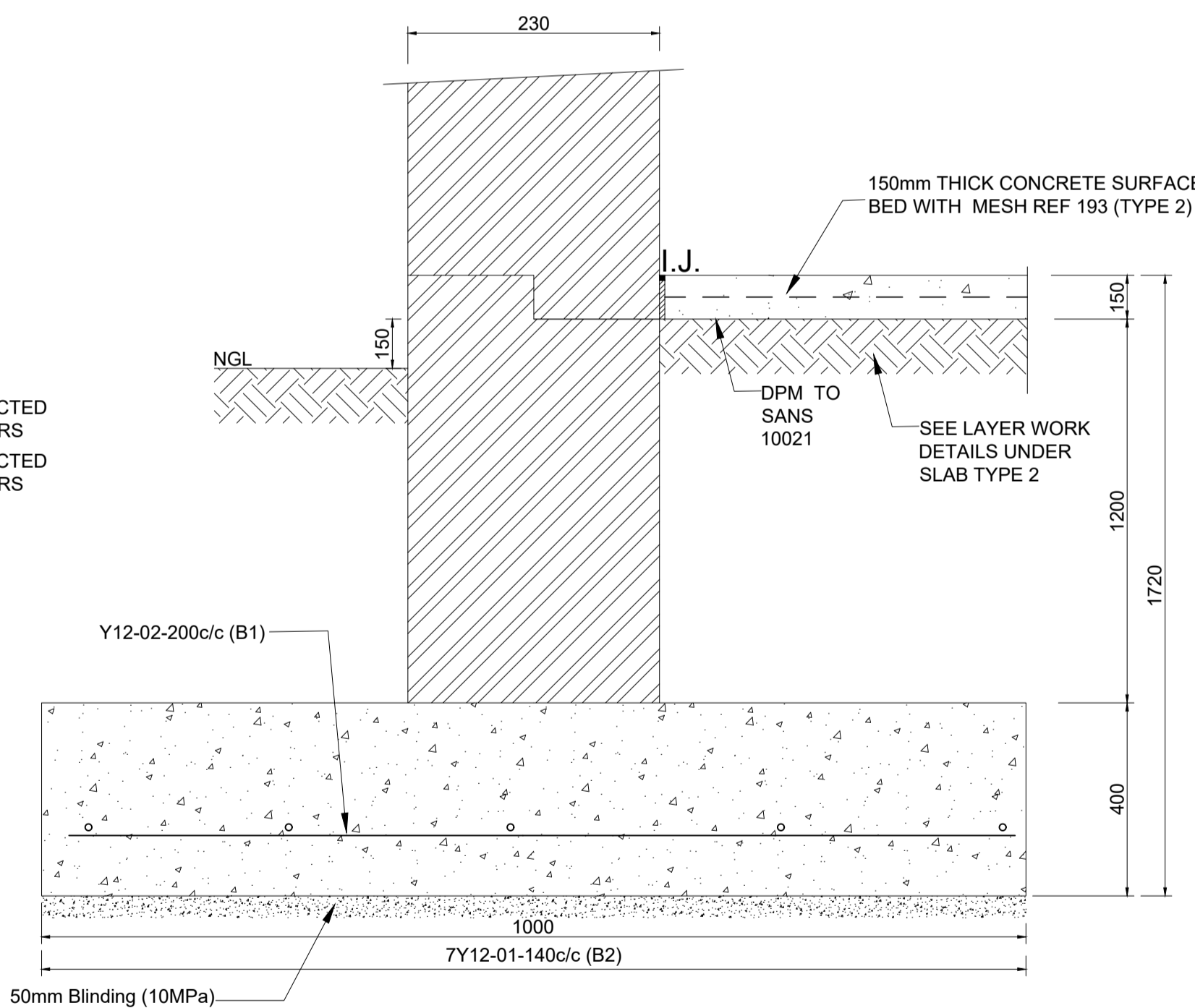
- TEST RESULTS TO BE SUBMITTED TO ENGINEER FOR APPROVAL BEFORE PROCESSING ANOTHER LAYER
- WET LAYER WORKS TO OPTIMUM MOISTURE PRIOR TO CASTING SURFACE BED

LAYERWORKS UNDER TYPE 1 SLAB
Scale 1:100



- TEST RESULTS TO BE SUBMITTED TO ENGINEER FOR APPROVAL BEFORE PROCESSING ANOTHER LAYER
- WET LAYER WORKS TO OPTIMUM MOISTURE PRIOR TO CASTING SURFACE BED

LAYERWORKS UNDER TYPE 2 SLAB
Scale 1:NTS



SECTION B-B-
1000mm WIDE STRIP FOOTING
(UNDER LOAD BEARING WALLS)
Scale: NTS

DESCRIPTION OF REVISION(S)	DATE	CHECKED	APPROVED
T ISSUED FOR TENDER	13/04/2021	L. HARPER	H. FUYANA
A1 SUBDIVISION AND TOWN PLANNING SUBMISSION	17/02/2021	L. HARPER	H. FUYANA
A ISSUED FOR APPROVAL	19/11/2020	L. HARPER	H. FUYANA

DESIGNED	P. PUGENI
CHECKED	H. FUYANA
DRAWN	M. MTHEMBU
CHECKED	H. FUYANA
PROJECT ENGINEER	H. FUYANA
REGISTRATION NO.:	2016 703 23

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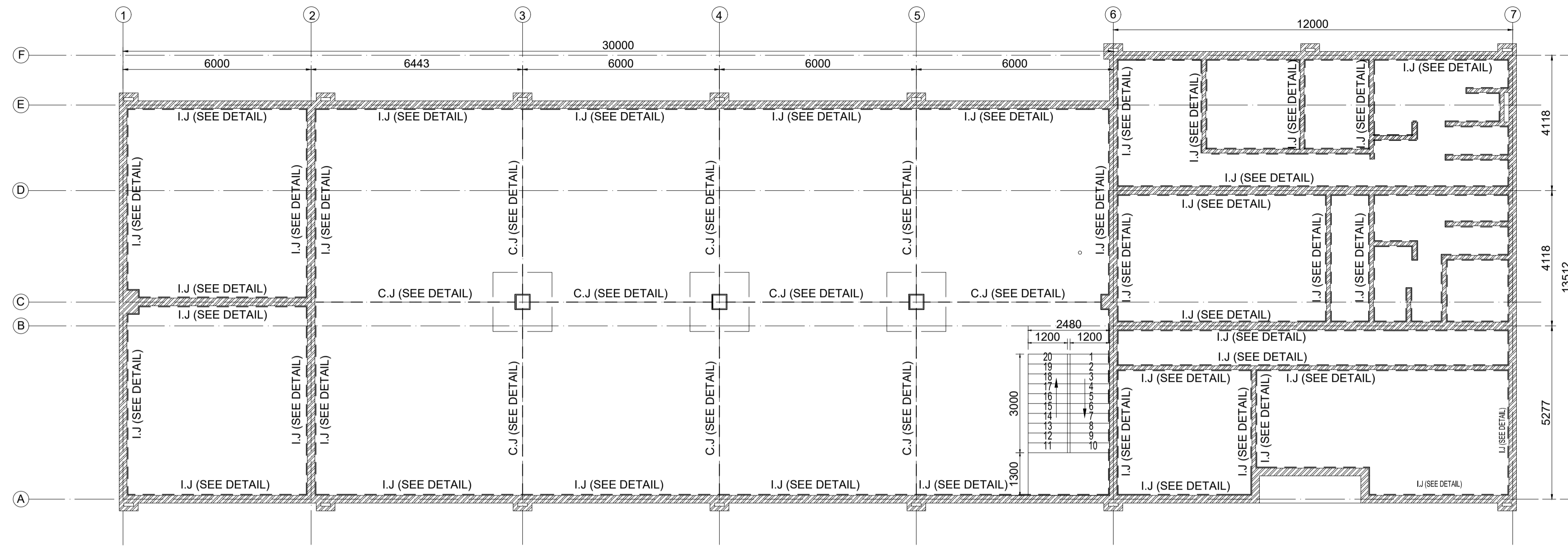


ON BEHALF OF CLIENT: SIGNATURE: _____

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PINETOWN
3616

PROJECT/DRAWING TITLE
DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE
FOUNDATION PLAN LAYOUT AND DETAILS

SCALE: 1 : 100	CONTRACT No. PWBS-B003/21/22
SHEET OF 1 1	PROJECT No. K033
DRAWING No.	K033-B1T-203
REVISION	T



SURFACE BED LAYOUT PLAN
Scale 1:100

GENERAL NOTES

- THIS DRAWING IS NOT TO BE SCALED. FIGURE DIMENSIONS TO BE USED ALL THE TIME.
- THE CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF THE BUILDING, ALL EXTERNAL AND INTERNAL WALLS WITH PARTICULAR REFERENCE TO BOUNDARIES, BUILDINGS ETC.
- THE CONTRACTOR IS VERIFY ALL LEVELS, HEIGHTS AND DIMENSIONS BEFORE EXECUTING ANY WORKS AND REPORT DISCREPANCIES TO THE ENGINEER
- THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH CIVIL AND ARCHITECTURAL DRAWINGS
- QUALITY OF MATERIALS & WORKMANSHIP TO COMPLY WITH RELEVANT SABS SPECIFICATIONS AND SHALL CONFORM TO MINIMUM STANDARDS

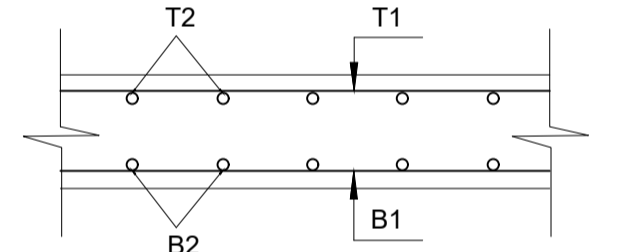
CONCRETE

- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS BELOW. THE CONTRACTOR IS TO PROVIDE STRENGTH RESULTS TO CONFIRM CONCRETE GRADES :
BLINDING: 10MPa/19mm
BASES AND GROUND BEAMS: 30MPa/19mm
COLUMNS, BEAMS, SLABS AND STAIR CASES: 30MPa/19mm
SURFACE BEDS AND RAMPS: 30MPa/19mm
- CURING OF CONCRETE SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH SABS 1200G
- ALL CONCRETE WORKS SHALL COMPLY WITH SABS 1200G
- 100mm KICKERS FOR COLUMNS HAVE BEEN ALLOWED. KICKERS SHALL BE CAST WITH SAME STRENGTH AND BE MONOLITHIC WITH WITH CONCRETE ELEMENTS BELOW
- STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SABS 1200G
- ALL COLUMNS ARE PLACED SYMMETRICALLY ON GRID LINES UNLESS OTHERWISE SHOWN

REINFORCEMENT

- THE CONTRACTOR SHALL INSPECT AND APPROVE THE FIXED REINFORCEMENT BEFORE THE ENGINEER IS NOTIFIED. ALL REINFORCEMENT TO BE APPROVED IN WRITING BY THE ENGINEER BEFORE CASTING OF CONCRETE COMMENCES
- BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SABS 082 AND SABS 0144
- REINFORCEMENT SHALL BE FIXED TO COMPLY WITH THE TOLERANCES AS SPECIFIED IN SABS 1200G AND PROJECT SPECIFICATIONS
- NO HEAT TREATMENT FOR CUTTING OF REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER 4. MINIMUM CONCRETE COVER TO REINFORCEMENT, EXCEPT WHERE NOTED OTHERWISE OIS AS FOLLOWS:
BEAMS: 25mm
SLABS: 25mm
COLUMNS: 30mm
STAIRCASE: 25mm
STUB COLUMNS: 40mm
BASES: 40mm
STRIP FOOTINGS: 40mm

LEGEND

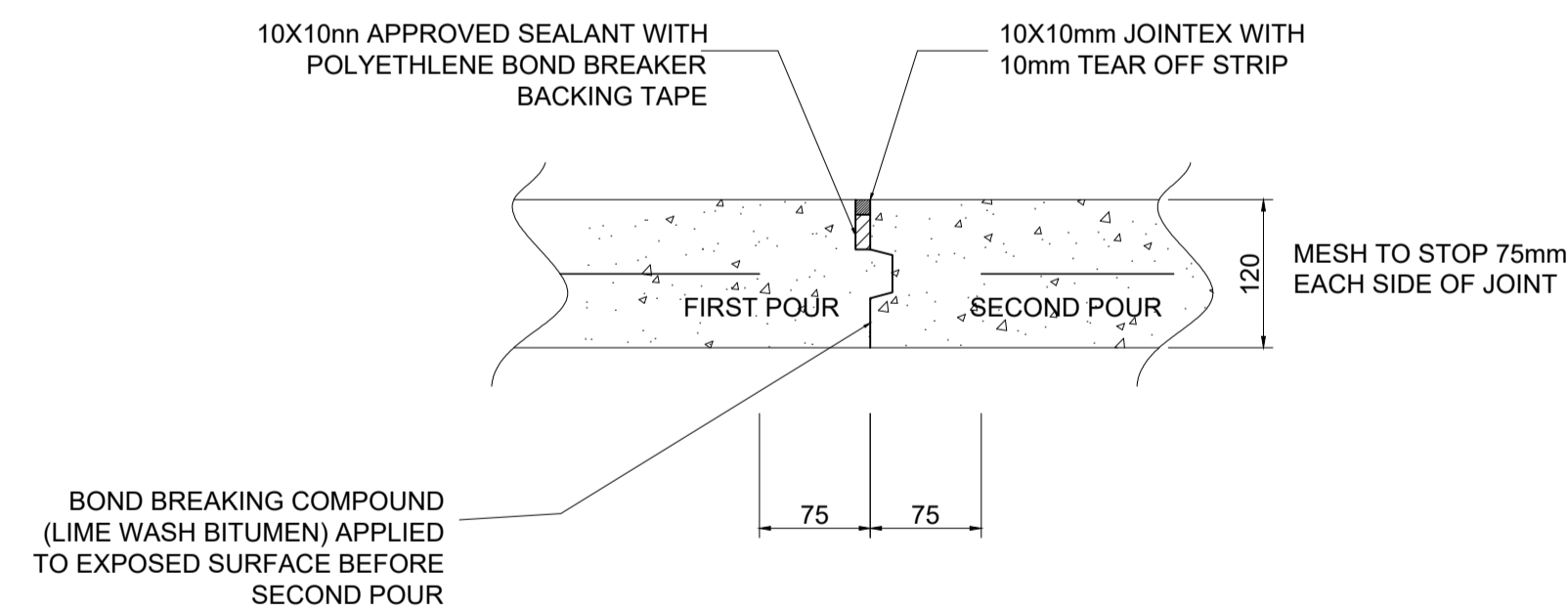


FOUNDATIONS AND EARTHWORKS

- MAXIMUM SOIL BEARING PRESSURE UNDER FOUNDATIONS IS 150KPa
- ALL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY BLINDING IS CAST
- A 50mm THICK BLINDING LAYER OF 10MPa/19mm CONCRETE GRADE SHALL BE CAST UNDER ALL BASES
- ALL FOOTINGS ARE PLACED SYMMETRICALLY BELOW COLUMNS UNLESS OTHERWISE SHOWN
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- ALL EARTHWORKS IN ACCORDANCE WITH SABS 1200D OR ANY LATEST REVISIONS. THE CONTRACTOR IS TO PROVIDE COMPACTION TEST RESULTS FOR EACH LAYER, AND BEFORE THE TOP LAYER.
- ALL COMPACTION TO BE AS PER SPECIFICATIONS

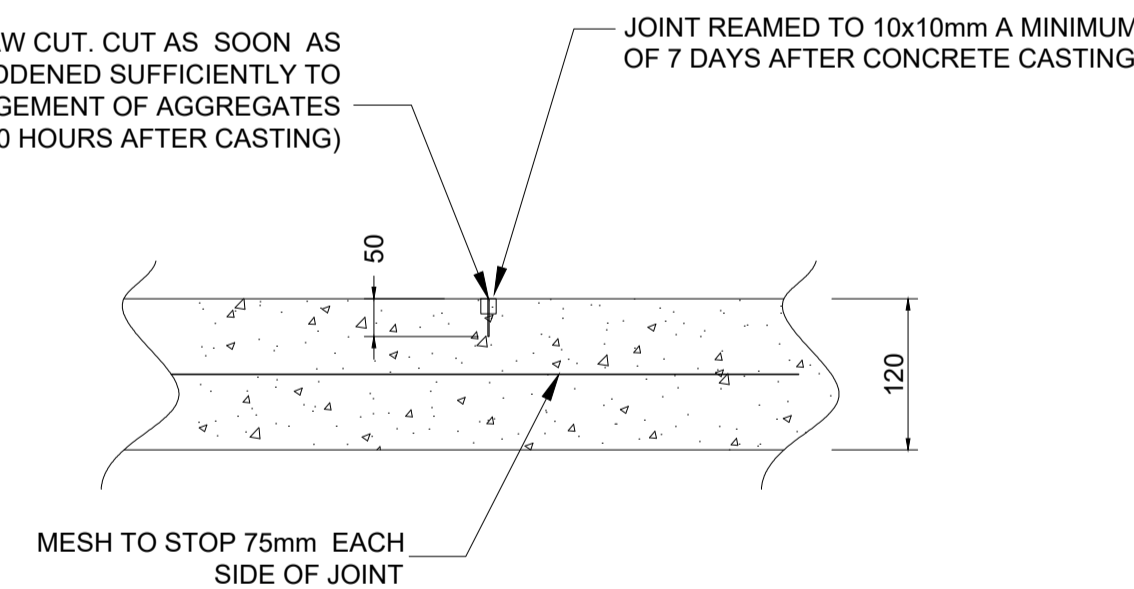
BRICKWORKS

- ALL LOAD BEARING WALLS TO BE CONSTRUCTED USING COMMON BRICKS OF 7MPa MINIMUM STRENGTH AND CLASS II MORTAR 1. THE CONTRACTOR IS TO PROVIDED STRENGTH RESULTS FOR ALL BRICKS USED
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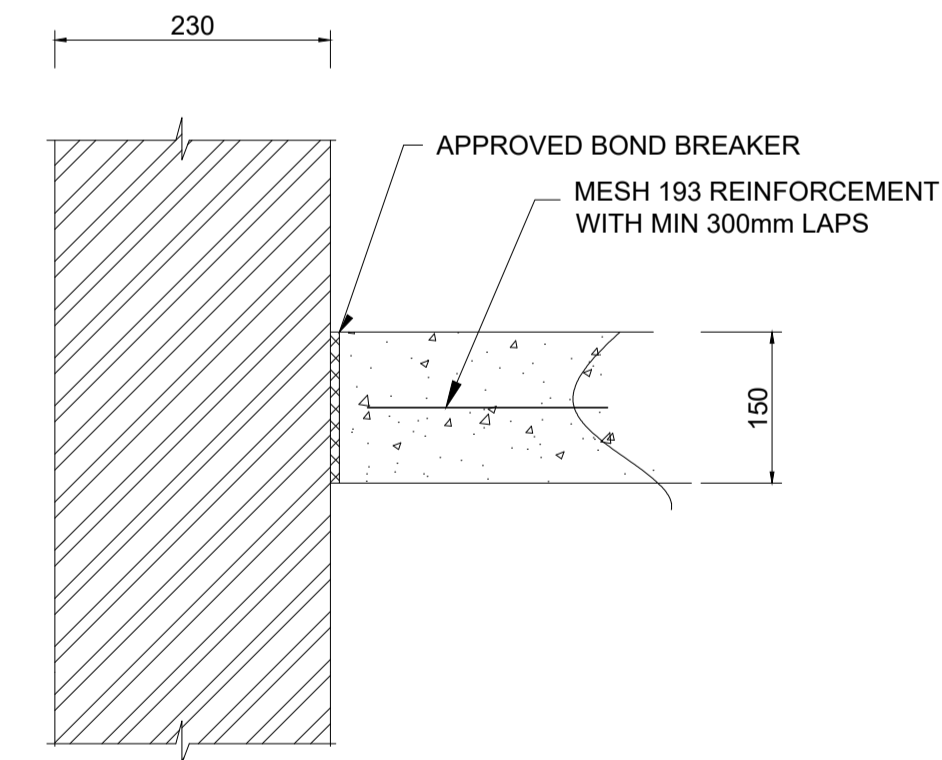
CONSTRUCTION JOINT (C.J)
Scale 1:10

3mm WIDE SAW CUT. CUT AS SOON AS CONCRETE HAS HADDED SUFFICIENTLY TO PREVENT DISLODGEEMENT OF AGGREGATES (8-10 HOURS AFTER CASTING)

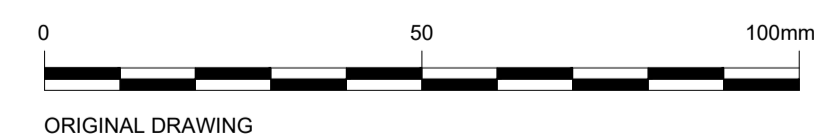


APPROVED JOINT SEALANT SIKAFLEX 35SL DURAKOL 25 PROSTRUCT 642 OR 644
SEAL JOINT WITH APPROVED JOINT SEALANT WITH BACKING CORD AND BOND BREAKER

SAW CUT JOINT
Scale 1:10



ISOLATION JOINT (I.J)
Scale 1:10



ORIGINAL DRAWING

NO.	DESCRIPTION OF REVISION(S)	DATE	CHECKED	APPROVED
T	ISSUED FOR TENDER	13/04/2021	L. HARPER	H. FUYANA
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PROJECT ENGINEER	HLOSOKUHLHE FUYANA
REGISTRATION NO.:	2016 703 23

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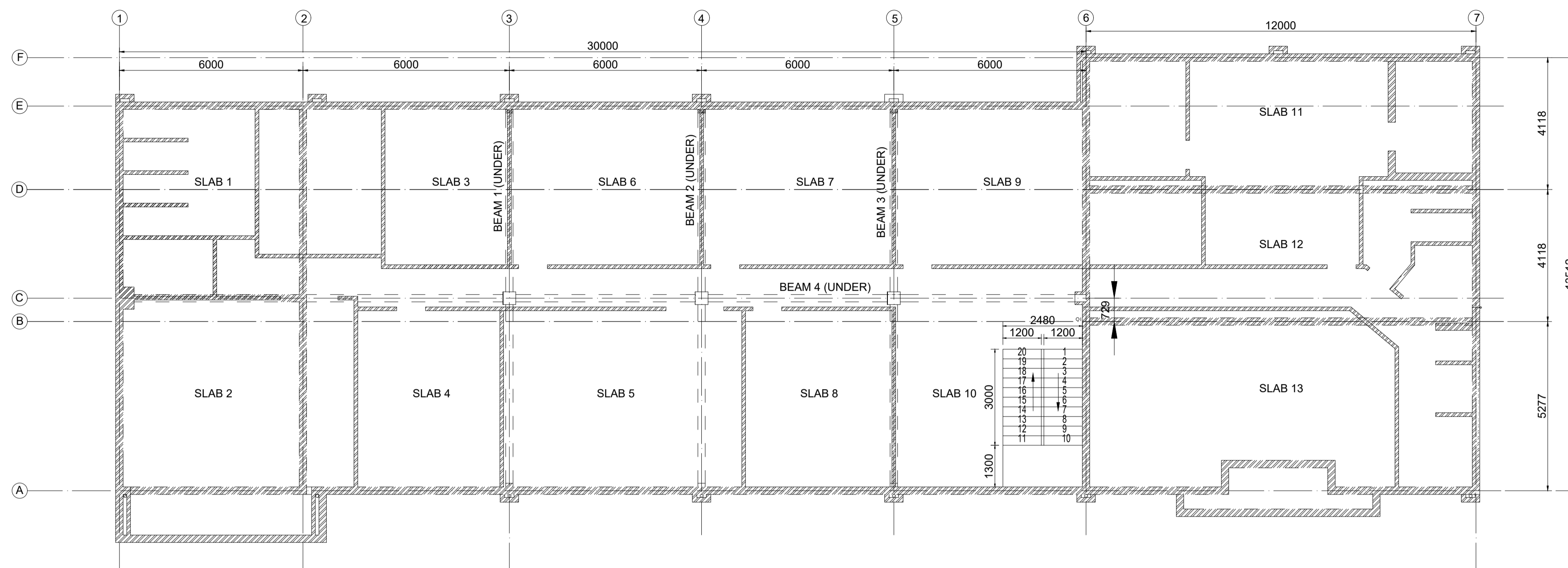
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PROJECT/DRAWING TITLE
DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE
SURFACE BED LAYOUT

SCALE: AS SHOWN	CONTRACT No. PWBS-B003/21/22
SHEET OF 1 1	PROJECT No. K033
DRAWING No.	K033-B1T-204
REVISION	T



FIRST FLOOR LAYOUT PLAN
Scale 1:100

GENERAL NOTES

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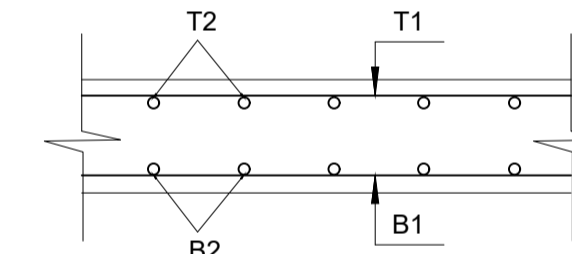
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STRIP FOOTINGS: 40mm

LEGEND

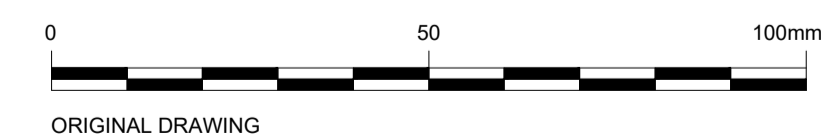
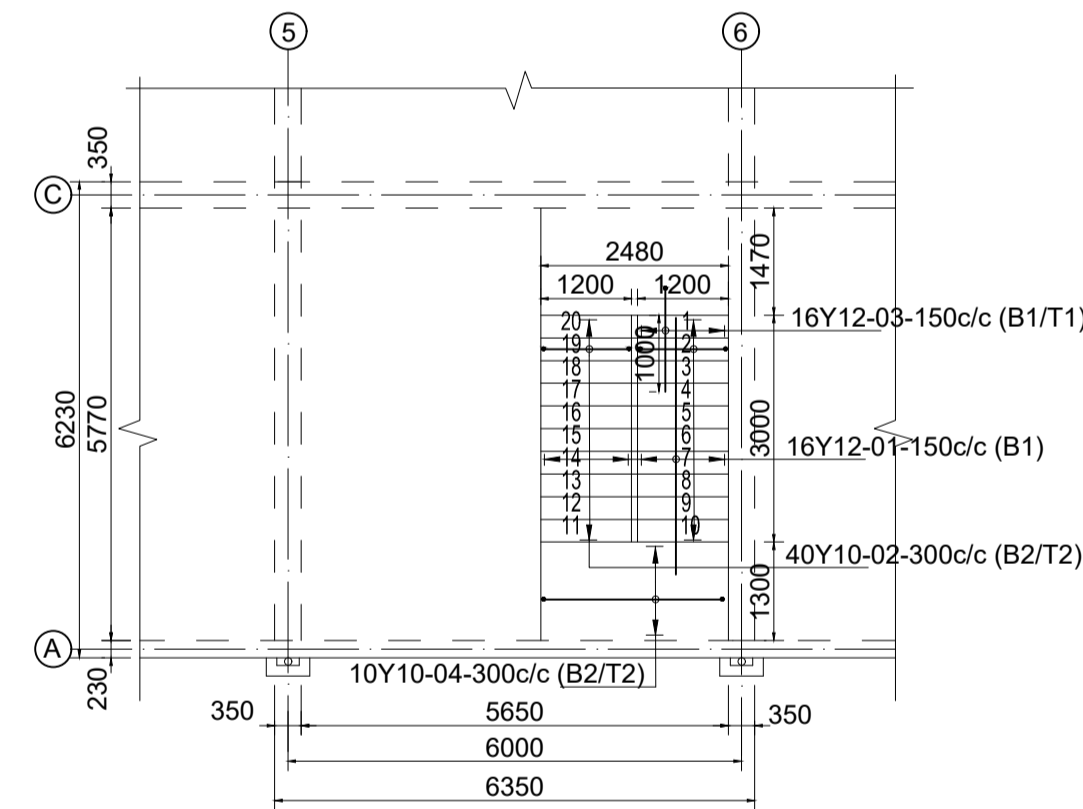
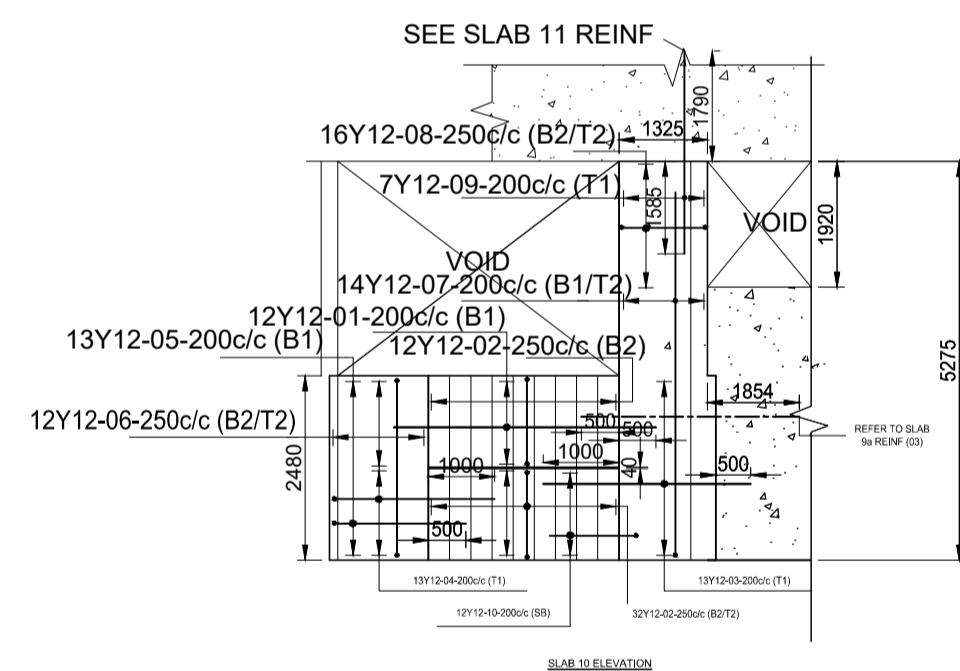


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PROJECT ENGINEER	HLOSOKUHLE FUYANA
REGISTRATION NO.:	2016 703 23

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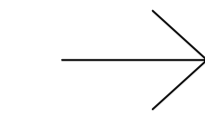
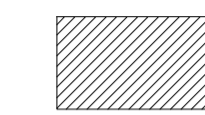






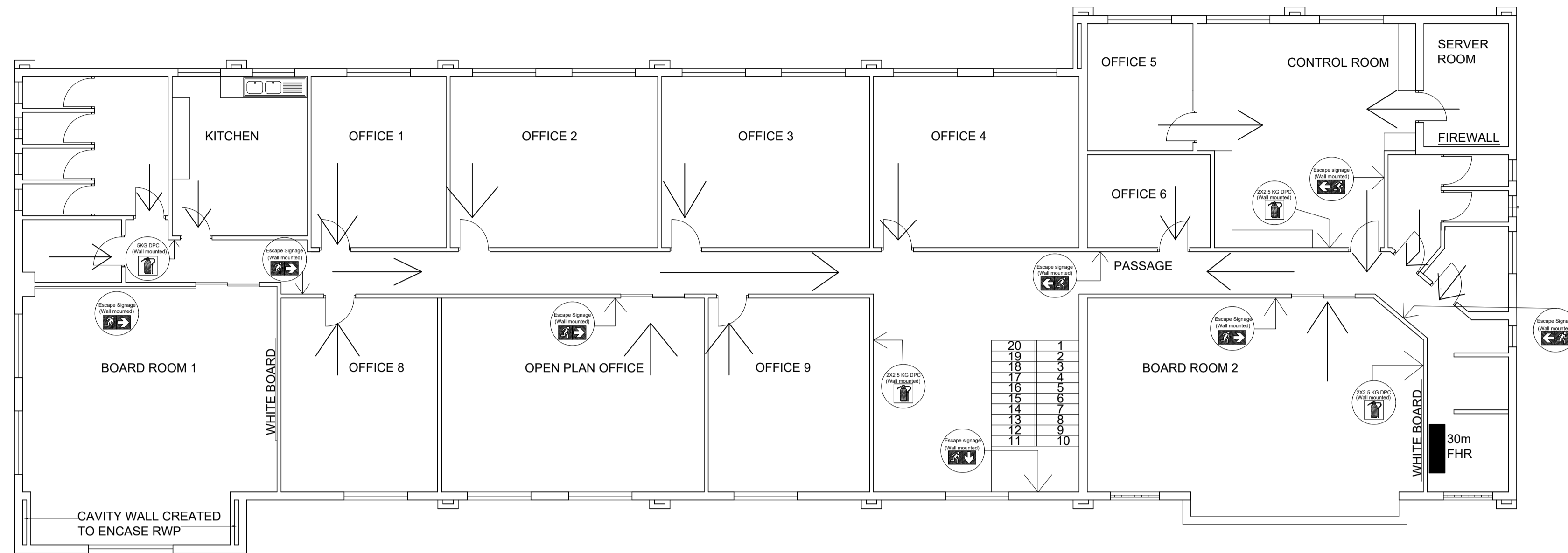
POSTAL ADDRESS:
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3616
ON BEHALF OF CLIENT: SIGNATURE: _____

PROJECT/DRAWING TITLE
DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE
STRUCTURAL DETAILS: FIRST FLOOR AND STAIRS

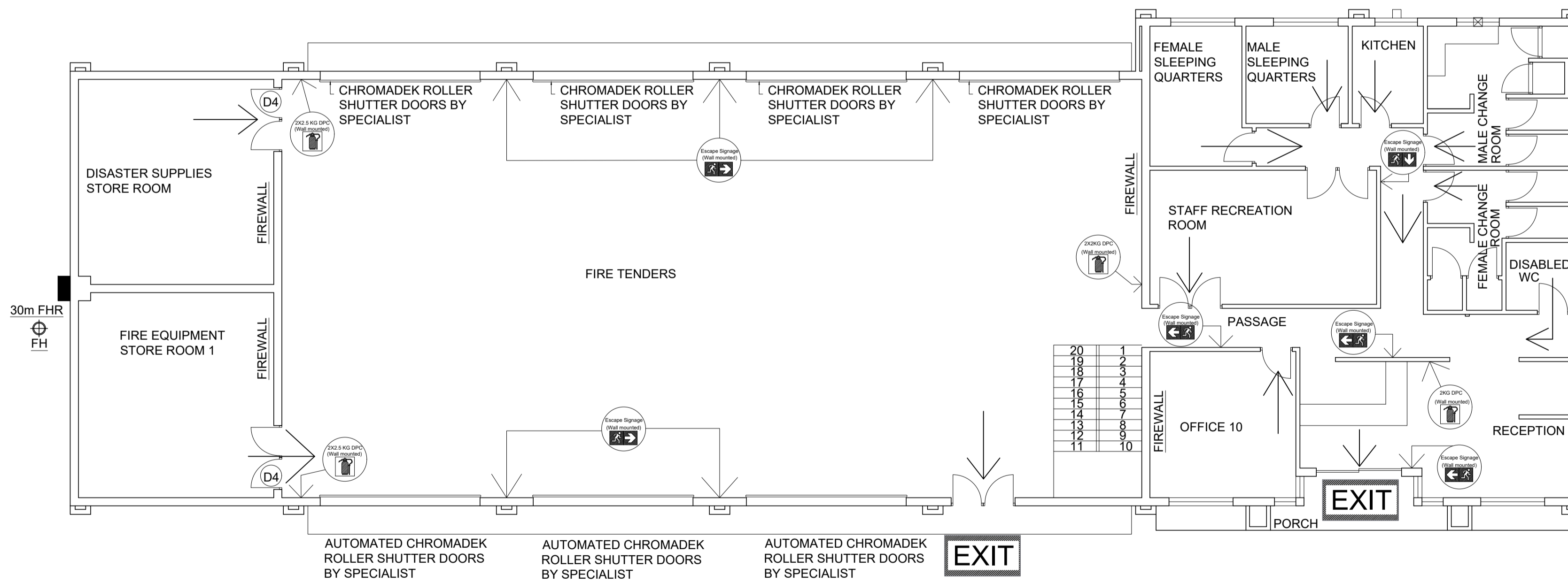
SCALE: 1 : 100	CONTRACT No. PWBS-B003/21/22
SHEET OF 1 1	PROJECT No. K033
DRAWING No.	K033-B1T-205
REVISION	T

LEGEND

-  DCP FIRE EXTINGUISHER LOCATION
-  FIRE HOSE REEL
-  EXIT SIGN
-  FIRE ESCAPE ROUTE
-  EMERGENCY ASSEMBLY POINT
-  FIREWALL REINFORCED FIRE WALL
-  FIRE ESCAPE SIGNAGE WITH DIRECTION TO EXIT
-  FIRE ESCAPE SIGNAGE WITH DIRECTION TO EXIT
-  FIRE ESCAPE SIGNAGE WITH DIRECTION TO EXIT



FIRST FLOOR PLAN
Scale 1:100



GROUND FLOOR PLAN
Scale 1:100

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CHECKED	H. FUYANA
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PROJECT/DRAWING TITLE
DR NKOSAZANA DLAMINI ZUMA LOCAL MUNICIPALITY
THE CONSTRUCTION OF MUNICIPAL EMERGENCY CENTRE
FIRE SAFETY PLAN

SCALE: AS SHOWN	CONTRACT No. PWBS-B003/21/22
SHEET OF 1 OF 1	PROJECT No. K033
DRAWING No.	K033-B1T-206
REVISION	T