

Province Of The Northern Cape

DEPARTMENT OF ROADS AND PUBLIC WORKS



the dr&pw

Department:
Roads and Public Works
NORTHERN CAPE PROVINCE
REPUBLIC OF SOUTH AFRICA

**PROCUREMENT DOCUMENTS
FOR
CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD
CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND
REPAIRS AND RENOVATIONS TO EXISTING SCHOOL
AT
LARENG PRIMARY SCHOOL IN
MOTHIBISTAD
FOR
DEPARTMENT OF EDUCATION**

CLIENTS REPRESENTATIVE

L Mphafe

Tebogo Leon Tume Complex
9 - 11 Stokroos Street
Square Hill Park
KIMBERLEY,
8301

Email: mphafel@gmail.com
Tel: 053 839 2100
Cell: +27 79 0324 027

AGENT (1)

Clive Fourie

Health and Safety Officer

9-11 Stockroos Street Squarehill
Park
Kimberley
Northern Cape
8301

Email: CFourie@ncpg.gov.za
Tel: 053 839 2100

PRINCIPAL AGENT

L Mphafe

Tebogo Leon Tume Complex
9 - 11 Stokroos Street
Square Hill Park
KIMBERLEY,
8301

Email: mphafel@gmail.com
Tel: 053 839 2100
Cell: +27 79 0324 027

AGENT (2)

DNA Land Use Consultants

Quantity Surveying

157 Du-Toitspan Road
Kimberley
Northern Cape
8301

Email: info@dnaconsulting.com
Tel: 072 112 1787

BID NR: DRPW 019/2021
CLOSING DATE: 19/01/2022
CLOSING TIME: 11:00

BIDDER'S NAME :

REFERENCED INDEX TO PARTS OTHER THAN BILLS OF QUANTITIES

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FORM OF OFFER AND ACCEPTANCE

FORM OF OFFER AND ACCEPTANCE

OFFER

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

CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND REPAIRS AND RENOVATIONS TO EXISTING SCHOOL AT LARENG P/S

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

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

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

Rand (in words):	
Rand in figures:	R

VAT IS TO BE INCLUDED EVEN IF THE TENDERER IS A NON VAT VENDOR

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

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

Company or Close Corporation: And: Whose Registration Number is: And: Whose Income Tax Reference Number is:	OR	Natural Person or Partnership: Whose Identity Number(s) is/are: Whose Income Tax Reference Number is/are:
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AND WHO IS (if applicable):

Trading under the name and style of:
--

AND WHO IS:

Represented herein, and who is duly authorised to do so, by: Mr/Mrs/Ms: In his/her capacity as:	Note: A Resolution / Power of Attorney, signed by all the Directors / Members / Partners of the Legal Entity must accompany this Offer, authorising the Representative to make this offer.
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SIGNED FOR THE TENDERER:

Name of representative	Signature	Date

WITNESSED BY:

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

The official documents ☐

The official alternative ☐

Own alternative (only if documentation makes provision therefore) .. ☐

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

SECURITY OFFERED:

(a) the Tenderer accepts that in respect of contracts from R 500 000 and up to R 1 million, a surety of 2% of the contact value (excluding VAT) will be applicable and will be deducted by the Employer in terms of the applicable conditions of contract

(b) in respect of contracts above R 500 000, the Tenderer offers to provide security as indicated below:

(1) cash deposit of 10 % of the Contract Sum (excluding VAT) Yes ☐ No ☐

(2) variable construction guarantee of 10 % of the Contract Sum (excluding VAT) (DPW 10.3) Yes ☐ No ☐

(3) payment reduction of 10% of the value certified in the **payment certificate** (excluding VAT) Yes ☐ No ☐

(4) cash deposit of 5% of the **contract sum** (excluding. VAT) and a payment reduction of 5% of the value certified in the **payment certificate** (excluding. VAT) Yes ☐ No ☐

(5) fixed **construction guarantee** of 5% of the **contract sum** (excluding VAT) and a payment reduction of 5% of the value certified in the **payment certificate** (excluding VAT) Yes ☐ No ☐

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

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

.....

Other Contact Details of the Tenderer are:

Telephone No	Cellular Phone No.
Fax No	Other contact No.
Postal address:	
Main or Principal Place of Business: E-mail Address :	
Registered Place of Business:	

.....	
Banker	Branch.....
Registration No of Tenderer at Department of Labour	
CIDB Registration Number: (Attached copy of certificate)	
CSD Number:.....SARS Pin.....	

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 1 Agreement and contract data, (which includes this agreement)
- Part 2 Pricing data (refer
- Part 3 Scope of work
- Part 4 Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

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

The Tenderer shall within one week 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. 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, if delivered by hand on the day of delivery, or if delivered by courier within two working days after submission by the Employer to the courier services for a door-to-door delivery to the Tenderer, provided that the Employer notifies the Tenderer of the tracking number within 24 hours of such submission, or if delivered by telefax, one working day after transmission, or if delivered by email, one working day after transmission.

For the Employer:

Name of signatory	Signature	Date

Name of Organisation:	DEPARTMENT OF ROADS AND PUBLIC WORKS
Address of Organisation:	Tebogo Leon Tume Complex 9 - 11 Stokroos Street Square Hill Park KIMBERLEY, 8301

WITNESSED BY:

Name of witness	Signature	Date

Schedule of Deviations

1.1.1. Subject:	
Detail:	

1.1.2. Subject:	
Detail:	

1.1.3. Subject:	
Detail:	

1.1.4. Subject:	
Detail:	

1.1.5. Subject:	
Detail:	

1.1.6. Subject:	
Detail:	

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

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

THE TENDER

PART T1: TENDERING PROCEDURES

T1.1- Notice and Invitation to Tender

Notice and invitation to tender

THE DEPARTMENT OF ROADS & PUBLIC WORKS INVITES TENDERS FOR:

Project Title:	CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND REPAIRS AND RENOVATIONS TO EXISTING SCHOOL AT LARENG P/S		
Bid No:	DRPW 019/2021	Closing Time:	11:00
Closing Date:	19/01/2022	Validity Period:	90 Days

Tenderers should have a CIDB contractor grading of	6 GB
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RESPONSIVENESS CRITERIA	
√	Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submission, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered for the specified CLASS and RANGE of construction works are eligible to submit tenders.
√	Joint ventures are eligible to submit tender provided that: <ol style="list-style-type: none"> every member of the joint venture is registered with the CIDB The lead partner has a contractor grading designation one grade lower in the value or higher as indicated above; and The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for this project. A Joint Venture Agreement <u>must</u> be submitted with the tender in the case of a joint venture offer.
√	Tender offer must be properly received on the closing date and time specified on the invitation, fully completed and signed in ink (All as per Standard Conditions of Tender).
√	Submission of applicable: Resolution by the Legal Entity or Consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the Firm / Consortium / joint venture.
√	Submission of (NCP 4) DECLARATION OF INTEREST.
√	Submission of other compulsory returnable schedules / documents as per LIST OF RETURNABLE DOCUMENTS.
√	Submission of SITE INSPECTION CERTIFICATE as proof for attendance of compulsory site meeting.
√	Submission of valid ORIGINAL VALID TAX CLEARANCE CERTIFICATE OR TAX PIN
√	Submission of PRICED BILL OF QUANTITIES WITH THE TENDER
√	Submission of (NCP 8) BIDDERS PAST SUPPLY CHAIN MANAGEMENT PRACTICES
√	Submission of (NCP 9) CERTIFICATE OF INDEPENDENT BID DETERMINATION

Tender will be evaluated according to the preferential procurement model in the Preferential Procurement Regulations 2011 (**B-BBEE Status Level Contribution – Refer to Form SBD 6.1**)

The 80/20 system for requirements with a Rand value of up to R50 000 000; OR

The 90/10 system for requirements with a Rand value above R50 000 000.

Where the financial value inclusive of VAT of one or more responsive tenders received equals or is less than R 50 000 000, the 80/20 system shall be applicable.

Where the financial value inclusive of VAT of all responsive tenders received has a value in excess of R 50 000 000, the 90/10 system shall be applicable.

Price / Preference / Functionality:

Requirement	≤ R50 000 000	> R50 000 000		
Price	80 %	90 %	Total must equal	100 %
Preference	20 %	10 %		
Functionality	0 % of 80%	0% of 90%		

Preference point scoring system will be broken down 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	8	16
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant Contributor	0	0

NOTE:	Tenders claiming preference points MUST sign and submit the Preference Certificate (NCP 6.1) and a certified copy of their B-BBEE Verification Certificate obtained from a Verification Agency accredited by the South African Accreditation Systems (SANAS).
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collection of tender documents:

PLACE	Tender document may be collected during working hours at the following address: Tebogo Leon Tume Complex 9 - 11 Stokroos Street Square Hill Park KIMBERLEY, 8301
DEPOSIT	A non-refundable tender deposit of R The document is available at www.etenders.gov.za as the department does not print out nor sell the documents is payable and is required on collection of the tender documents.
INSPECTION	AS PER TENDER ADVERT

BID: DRPW 019/2021

to

Dept Project Leader:	Lettie Mphafe	may be addressed to:	Telephone no:	053 839 2100
Cell no:	+27 79 032 4027	Fax no:		053 839 2291
E-mail:	mphafel@gmail.com			

Deposit / RETURN of tender documents:

POSTED TO	<p>Tender document may be posted to:</p> <p>THE HEAD OF SCM</p> <p>DEPARTMENT OF ROADS AND PUBLIC WORKS</p> <p>Tebogo Leon Tume Complex 9-11 Stockroos Street Square Hill Park KIMBERLY, 8301</p> <p>Attention: Mr. Moeketsi</p> <p>OR</p> <p>Tender documents may be posted in the tender box outside the main entrance:</p> <p>Tebogo Leon Tume Complex 9 - 11 Stokroos Street Square Hill Park KIMBERLEY, 8301</p>
	<p>Telegraphic, telephonic, telex, facsimile, electronic and / or late tenders will not be accepted.</p>
<p>Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the TENDER DATA (T 1. 2)</p>	

T 1.2 - Tender Data

T1.2- TENDER DATA

The department of roads & public Works invites tender FOR:

Project Title:	CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND REPAIRS AND RENOVATIONS TO EXISTING SCHOOL AT LARENG P/S		
Bid No:	DRPW 019/2021	Closing Time:	11:00
Closing Date:	19/01/2022	Validity Period:	90 Days

CLAUSE NUMBER	DETAIL
	<p>The conditions of tender are the Standard Conditions of Tender as contained in Annexure F of the CIDB Standard for Uniformity in Construction Procurement as per Government Notice No 751 Published in Government Gazette No. 27831 of 22 July 2005 and as amended for time to time. (see. www.cidb.org.za)</p> <p>The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.</p> <p>Each item of data given below is cross-referenced to the clause marked 'F' in the above-mentioned Standard Conditions of Tender.</p>
F.1.1	The employer is the Government of the Republic of South Africa in its Northern Cape Provincial Government, represented by the Accounting Officer of the Northern Cape Department of Roads & Public Works.
F.1.2	<p>For this contract the single volume approach is adopted.</p> <p>This procurement document has been formatted and compiled under the headings for a single volume approach as contained in table 6 of the CIDB's "Standard Uniformity in Construction Procurement."</p> <p>The list of Returnable Documents identifies which of the documents a tenderer must complete when submitting a tender offer. The tenderer must submit his tender offer by completing the Returnable Documents including the Fully Priced Activity Schedule/ Bills of Quantities, signing the "Offer" section in the Form of Offer and Acceptance" and delivering the single volume procurement document back to the Department bounded up as it was when it was received.</p> <p>The single volume procurement document issued by the employer comprises the following:</p> <p>TENDER Part 1: Tendering Procedures T1.1 – Tender notice and invitation to tender (Refer to index) T1.2 – Tender data (Refer to index)</p> <p>Part 2: Returnable Documents T2.1 – List of returnable documents (Refer to index) T2.2 - Returnable Schedules</p> <p>CONTRACT Part 1: Agreement and Contract Data C1.1 – Form of offer and acceptance (Refer to index) C1.2 – Contract data (Refer to index) C1.3 – Form of Guarantee (Refer to index)</p> <p>Part 2: Pricing Data C2.1 – Pricing instructions (Refer to index) C2.2 - Activity schedules / Bills of Quantities</p> <p>Part 3: Scope of Work C3 – Scope of work (Refer to index)</p> <p>Part 4: Site Information C4 – Site information (Refer to index)</p>

F.1.4	The employer's agent is:								
	Name	Lettie Mphafe							
	Capacity	PROJECT LEADER							
	Address	Tebogo Leon Tume Complex 9 - 11 Stokroos Street Square Hill Park KIMBERLEY, 8301							
	Tel:	053 839 2100 / +27 79 032 4027							
	Fax	053 839 2291							
	E-mail	mphafel@gmail.com							
F.1.5.2	Insert the following: "..... tender offers, <u>save for all tenders being non responsive</u> , re-issue a tender covering								
F.2.1	For eligibility refer to Notice and Invitation to Tender T1.1.								
	A contract will only be entered into with a tenderer who has in his employment management and supervisory staff satisfying the requirement of the scope of works for labour intensive competencies for supervisory and management staff – <i>NOT APPLICABLE</i> .								
	Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of Submissions in a GENERAL BUILDING class of construction, in the grading mentioned in the Notice and Invitation to Tender (T1.1) , are eligible to submit tenders.								
	Tender offers scoring less than a minimum of % in respect of the total evaluation points for quality will be regarded as non-responsive. THE PROVISION IS NOT APPLICABLE TO EVALUATION METHOD 1 & 2.								
	<table border="1"> <thead> <tr> <th>Description of quality criteria & sub criteria</th> <th>Maximum number of tender evaluation points</th> </tr> </thead> <tbody> <tr> <td>NOT APPLICABLE TO THIS TENDER CIDP REQUIREMENTS WILL BE ACCEPTED</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>TOTAL EVALUATION POINTS FOR QUALITY (MS)</td> <td>0 POINTS</td> </tr> </tbody> </table>		Description of quality criteria & sub criteria	Maximum number of tender evaluation points	NOT APPLICABLE TO THIS TENDER CIDP REQUIREMENTS WILL BE ACCEPTED				TOTAL EVALUATION POINTS FOR QUALITY (MS)
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NOT APPLICABLE TO THIS TENDER CIDP REQUIREMENTS WILL BE ACCEPTED									
TOTAL EVALUATION POINTS FOR QUALITY (MS)	0 POINTS								
F.2.7	For particulars regarding A PRE-TENDER SITE INSPECTION MEETING, see Notice and Invitation to Tender T1.1								
F.2.12	<p>If a tenderer wishes to submit an own alternative offer, the only criteria permitted for such alternative tender offer is that if demonstrably satisfies the Employer's standards and requirements. A tender may submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted. Provided that the tenderer's main tender offer is according to specification and would under normal circumstances be recommended for acceptance, his alternative tender offer may also be considered for the purpose of the award of the contract.</p> <p>Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal</p> <p>Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be a contractual obligation of the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respect with the Employer's standards and requirements.</p> <p>The modification Pricing Data must include an amount equal to 5% of the amount tenderer for the alternative offer to cover the Employer's cost of confirming the acceptability of the detailed design before it is constructed</p>								

	Alternative tender offer permitted: NO
F.2.12	The EMPLOYERS ADDRESS FOR DELIVERY of tender offers and identification details to be shown on each tender offer package are as per Notice and Invitation to Tender T1.1
F.2.13.6 F.3.5	A two-envelope procedure will / will not be followed.
F.2.15	The CLOSING TIME for submission of tender offers is as per Notice and Invitation to Tender T1.1
F.2.16	The tender offer VALIDITY PERIOD is as per Notice and Invitation to Tender T1.1
F.2.18	The tenderer will be required to submit a fully Priced Bill / Lump Sum tender document, with tender closing.
F.2.19	Access shall be provided for inspection, tests and analysis as may be required by the Employer.
F.2.22	Not a requirement.
F.3.4.1 F.3.4.2.	The location for opening of the tender offers, immediately after closing time thereof shall be at: Tebogo Leon Tume Complex 9 - 11 Stokroos Street Square Hill Park KIMBERLEY, 8301
F.3.11.1	The procedure for the evaluation of responsive tender is <ul style="list-style-type: none"> • Method 1: Financial offer • Method 2: Financial offer and preferences • Method 3: Financial offer and quality • Method 4: Financial offer, quality and preferences <p style="text-align: right;">METHOD 2- WILL apply for this tender.</p>
F.3.11	<p>Scoring the Financial Offer:</p> <p>$P_s = NEP + W_c$ (calculated separately for each tender offer)</p> <p>The score for quality and financial offer is to be combined, before the addition of the score for preference, as follows:</p> $W_c = W_3 \left(1 + \frac{(P - P_m)}{P_m} \right)$ <p>where</p> <p>W_3 = The number of tender evaluation points for quality and financial offer and equals:</p> <ol style="list-style-type: none"> 1) 90 where the financial value inclusive of VAT of all responsive tenders received have a value in excess of R 50 000 000; or 2) 80 where the financial value inclusive of VAT of one or more responsive tender offers equals or is less than R 50 000 000. <p>P = The price of the financial offer of the submission under consideration.</p> <p>P_m = The price of the financial offer of the submission of the lowest acceptable tender.</p> <p>W_c = Points allocated for price of tender under consideration.</p> <p>Scoring for Preferences:</p> <p>In terms of the Preferential Procurement Regulations 2011 preferences points for B-BBEE level of contribution are calculated on their B-BBEE Status Level of Contribution in the industry.</p> <p>Tender evaluation points will be awarded to tenderers who completes the preferencing schedule and who is found to be eligible for the preference claimed.</p>

	<p>Points for Direct Preference will be calculated according to the B-BBEE Status Level of Contribution of the tender under consideration as a per the points stated in the Notice and Invitation to Tender T1.1 and claimed in this form.</p> <p>Calculate Total tender Evaluation Points:</p> <p>The point calculated for price will be added to the point scored for preference for each individual tender offer.</p>
F.3.13.1	<p>Tender offers will only be accepted if:</p> <ol style="list-style-type: none"> The tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act 12 of 2004) as a person prohibited from doing business with the public sector; and The tenderer has not: <ol style="list-style-type: none"> abused the Employer's Supply Chain Management System; or Failed to perform on any previous contract and has been given a written notice to this effect.
F.3.18	<p>Provide to the successful tender one copy of the signed contract document.</p>

PART T2: RETURNABLE DOCUMENTS

T2.1- List of Returnable Documents

LIST OF RETURNABLE DOCUMENTS

1. RETURNABLE SCHEDULES REQUIRED FOR TENDER EVALUATION PURPOSES

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

Tender document name		Number of pages issued	Returnable document
T 2. 2-1	Resolution of Board of Directors (PA-15.1)	1 Page	<input checked="" type="checkbox"/> Yes
T2. 2-2	Resolution of Board of Directors to enter into consortia or JV's (PA-15.2)	2 Pages	<input checked="" type="checkbox"/> Yes
T2. 2-3	Special Resolution of Consortia or JV's (PA-15.3)	3 Pages	<input checked="" type="checkbox"/> Yes
T2. 2-4	Schedule of proposed sub-contractors (DPW-15: EC)	1 Page	<input checked="" type="checkbox"/> Yes
T2. 2-7	Site Inspection Meeting Certificate (DPW-16: EC)	1 Page	<input type="checkbox"/> No
T2. 2-8	Declaration of Interest (PA-11)	3 Pages	<input checked="" type="checkbox"/> Yes
T2. 2-10	Original valid TAX clearance certificate	1 Page	<input checked="" type="checkbox"/> Yes
T2. 2-13	Bidders Past SCM Practices (NCP 8)	2 Pages	<input checked="" type="checkbox"/> Yes
T2. 2-14	Certificate of Independent Bid Determination (NCP 9)	4 Pages	<input checked="" type="checkbox"/> Yes
T2. 2-15	Compulsory Enterprise Questionnaire	2 Pages	<input checked="" type="checkbox"/> Yes
	Priced Bills of Quantities	Pages	<input checked="" type="checkbox"/> Yes

2. RETURNABLE SCHEDULES THAT WILL BE INCORPORATED INTO THE CONTRACT

Tender document name		Number of pages issued	Returnable document
T2. 2-6	Preference Certificate (SBD6.1)	6 Pages	<input checked="" type="checkbox"/> Yes
T2. 2-11	Record of Addenda to tender documents (DPW-21: EC)	1 Pages	<input checked="" type="checkbox"/> Yes
T2. 2-12	Particulars of Electrical Contractor (refer to index)	1 Page	<input checked="" type="checkbox"/> Yes

3. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

Tender document name		Number of pages issued	Returnable document
Form of construction guarantee (DPW 10.1 & DPW 10.3)		Pages	<input checked="" type="checkbox"/> Yes

Resolution of Board of Directors

RESOLUTION OF BOARD OF DIRECTORS

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

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

Held at _____ (place)

On _____ (date)

RESOLVED that:

1. The Enterprise submits a Bid / Tender to the DEPARTMENT OF ROADS & PUBLIC WORKS in respect of the following project:

(Project description as per Bid / Tender Document)

Bid / Tender Number: _____ (Bid / Tender Number as per Bid / Tender Document)

2. *Mr/Mrs/Ms: _____

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

and who will sign as follows: : _____

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

	NAME	Capacity	Signature
1			
2			
3			
4			
5			
6			

Note:

1. * Delete which is not applicable
2. **NB.** This resolution must be signed by all the Directors / Members / Partners of the Bidding Enterprise
3. Should the number of Directors / Members/Partners exceed the space available above, additional names and signatures must be supplied on a separate page

ENTERPRISE STAMP

Resolution of Board of Directors to Enter into Consortia or Joint Ventures

RESOLUTION OF BOARD OF DIRECTORS TO ENTER INTO CONSORTIA OR JOINT VENTURES

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

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

Held at _____ (place)

On _____ (date)

RESOLVED that:

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

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

to the DEPARTMENT OF ROADS & PUBLIC WORKS in respect of the following project:

(Project description as per Bid /Tender Document)

Bid / Tender Number: _____ (Bid / Tender Number as per Bid /Tender Document)

4. *Mr/Mrs/Ms: _____

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

and who will sign as follows: _____

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

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

Physical address: _____

_____ (code)

Postal Address: _____

_____ (code)

Telephone number: _____ (code)

Fax number: _____ (code)

	NAME	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Note:

1. * Delete which is not applicable
2. **NB.** This resolution must be signed by all the Directors / Members / Partners of the Bidding Enterprise
3. Should the number of Directors / Members/Partners exceed the space available above, additional names and signatures must be supplied on a separate page

ENTERPRISE STAMP

Joint ventures are eligible to submit tender provided that:

- every member of the joint venture is registered with the CIDB
- The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for this project.
- A Joint Venture Agreement must be submitted with the tender in the case of a joint venture offer.

Special Resolution of Consortia or Joint Ventures

SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

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

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

Held at _____ (place)

On _____ (date)

RESOLVED that:

RESOLVED that:

- A. The above-mentioned Enterprises submit a Bid in Consortium/Joint Venture to the DEPARTMENT OF ROADS & PUBLIC WORKS in respect of the following project:

(Project description as per Bid /Tender Document)

Bid / Tender Number: _____ *(Bid / Tender Number as per Bid /Tender Document)*

- B. Mr/Mrs/Ms: _____

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

and who will sign as follows: _____

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

- C. The Enterprises constituting the Consortium/Joint Venture, notwithstanding its composition, shall conduct all business under the name and style of: _____
- D. The Enterprises to the Consortium/Joint Venture accept joint and several liability for the due fulfilment of the obligations of the Consortium/Joint Venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.
- E. Any of the Enterprises to the Consortium/Joint Venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the Consortium/Joint Venture as mentioned under item D above.
- F. No Enterprise to the Consortium/Joint Venture shall, without the prior written consent of the other Enterprises to the Consortium/Joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.
- G. The Enterprises choose as the *domicilium citandi et executandi* of the Consortium/Joint Venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:

Physical address: _____

_____ (code)

E-mail address : _____

Business address: _____

_____ (code)

Postal Address: _____

_____ (code)

Telephone number: _____ (code)

Fax number: _____ (code)

	NAME	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Note:

1. * Delete which is not applicable
2. **NB.** This resolution must be signed by all the Duly Authorised Representatives of the Legal Entities to the Consortium/Joint Venture submitting this Bid
3. Should the number of Duly Authorised Representatives of the Legal Entities joining forces in this Bid exceed the space available above, additional names and signatures must be supplied on a separate page
4. Resolutions, duly completed and signed, from the separate Enterprises who participate in this Consortium/Joint Venture must be attached to the Special Resolution.

Joint ventures are eligible to submit tender provided that:

- every member of the joint venture is registered with the CIDB
- The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for this project.
- A Joint Venture Agreement must be submitted with the tender in the case of a joint venture offer.

Schedule of Proposed Subcontractor

SCHEDULE OF PROPOSED SUBCONTRACTORS

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

We confirm that all subcontractors who are contracted to construct a house are registered as home builders with the National Home Builders Registration Council and/or with the CIDB (Construction Industry Development Board).

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

Name of representative	Signature	Capacity	Date

Name of organisation:	
-----------------------	--

Capacity of Tenderer

CAPACITY OF TENDERER

4. **WORK CAPACITY:** *(The Tenderer is requested to furnish the following particulars, attach additional pages if more space is required. Failure to furnish the particulars may result in the Tender being disregarded.)*

Skilled artisans employed		Unskilled employees employed	
Categories of artisans	Number	Categories of employees	Number

4.1. Provide full particulars of:

Machinery	Plant	Workshops

5. PARTICULARS OF COMMITMENTS WHICH THE TENDERER HAS PREVIOUSLY COMPLETED AND PRESENTLY ENGAGED WITH:

5.1. Current projects:

Project	Place (town)	Reference / Contact person	Contact Tel. No.	Contract amount	Contract period	Date of commence- ment	Scheduled date of completion
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							

5.2. Previous projects:

Project	Place (town)	Reference / Contact person	Contact Tel. No.	Contract amount	Contract period	Date of commence ment	Scheduled date of completion	Actual date of completion
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

Name of Tenderer	Signature	Date

Preference Certificate

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. BIDDERS ARE ALSO REFERRED TO THE IMPLEMENTATION GUIDE; PREFERENTIAL PROCUREMENT REGULATIONS, 2017 VERSION 3; AUGUST 2021.

1. GENERAL CONDITIONS

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

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

1.2

- a) The value of this bid is estimated to ~~exceed~~/not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable; or
- b) Either the 80/20 or 90/10 preference point system will be applicable to this tender (*delete whichever is not applicable for this tender*).

1.3 Points for this bid shall be awarded for:

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

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

	POINTS
PRICE	90
B-BBEE STATUS LEVEL OF CONTRIBUTOR	10
Total points for Price and B-BBEE must not exceed	100

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.6 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. DEFINITIONS

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“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 or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
 - 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

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

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

80/20 or 90/10

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

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{\min} = Price of lowest acceptable bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

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

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

5. BID DECLARATION

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

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

- 6.1 B-BBEE Status Level of Contributor: . =(maximum of 10 or 20 points)
(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

- 7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

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

- 7.1.1 If yes, indicate:

- What percentage of the contract will be subcontracted.....%
- The name of the sub-contractor.....
- The B-BBEE status level of the sub-contractor.....
- Whether the sub-contractor is an EME or QSE

(Tick applicable box)

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

- v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

vi)

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

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
 - ☐ One person business/sole propriety
 - ☐ Close corporation
 - ☐ Company
 - ☐ (Pty) Limited
- [TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

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

8.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
 - ☐ Supplier
 - ☐ Professional service provider
 - ☐ Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

8.7 Total number of years the company/firm has been in business:.....

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution.

WITNESSES

1.

2.

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

.....

.....

Site Inspection Meeting Certificate

SITE INSPECTION MEETING CERTIFICATE

Project title:	CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND REPAIRS AND RENOVATIONS TO EXISTING SCHOOL
-----------------------	---

This is to certify that I, _____ representing
_____ in the company of
_____ visited the site on:

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

Name of Tenderer	Signature	Date

Name of DEPT Representative or Project Leader	Signature	Date

Name of Project Manager	Signature	Date

Declaration of Interest

NCP 4 (7/12/11):

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes an advertised competitive bid, a limited bid, a proposal or written price quotation). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-
 - the bidder is employed by the state; and/or
 - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.
2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**
 - 2.1 Full Name of bidder or his or her representative:.....
 - 2.2 Identity Number:.....
 - 2.3 Position occupied in the Company (director, trustee, shareholder², member):
.....
 - 2.4 Registration number of company, enterprise, close corporation, partnership agreement or trust:
.....
 - 2.5 Tax Reference Number:.....
 - 2.6 VAT Registration Number:
 - 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / PERSAL numbers must be indicated in paragraph 3 below.

¹"State" means –

- (a) 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);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

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

Mark applicable box with an X

2.7 Are you or any person connected with the bidder presently employed by the state? YES ☐ NO ☐

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member:

Name of state institution at which you or the person connected to the bidder is employed:

Position occupied in the state institution:

Any other particulars:

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

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? YES ☐ NO ☐

2.7.2.1 If yes, did you attach proof of such authority to the bid document? YES ☐ NO ☐

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

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

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? YES ☐ NO ☐

2.8.1 If so, furnish particulars:

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

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? YES ☐ NO ☐

2.9.1 If so, furnish particulars.

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

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid? YES ☐ NO ☐

Mark applicable box with an X

2.10.1 If so, furnish particulars.

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

2.11 Do you or any of the directors / trustees / shareholders / members
of the company have any interest in any other related companies
whether or not they are bidding for this contract?

YES ☐ NO ☐

2.11.1 If so, furnish particulars:

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

Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	Personal Tax Reference Number	Income Reference Number	State Number / Employee Persal Number

4 DECLARATION

I, THE UNDERSIGNED (NAME).....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT.
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME SHOULD THIS

DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

Record of Addenda to Tender Documents

RECORD OF ADDENDA TO TENDER DOCUMENTS

14. I / We confirm that the following communications received from the DEPARTMENT OF ROADS & PUBLIC WORKS before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer: *(Attach additional pages if more space is required)*

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

Name of Tenderer	Signature	Date

15. I / We confirm that no communications were received from the DEPARTMENT OF ROADS AND PUBLIC WORKS before the submission of this tender offer, amending the tender documents.

Name of Tenderer	Signature	Date

Particulars of Electrical Contractor

PARTICULARS OF ELECTRICAL CONTRACTOR

We confirm that the **Electrical Contractor** contracted to construct are registered with the Electrical Contracting Board of SA, the Department of Employment and Labour and with the CDB (Construction Industry Development Board) in their class of construction.

Name of Electrical Contractor:

Address:

Electrical Contractor registration number at the Electrical Contracting Board of S.A.:

Name of Tenderer	Signature	Date

Bidders Past Supply Chain Management Practices

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- 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	<p>Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</p> <p>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p>The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.</p>	<p>Yes</p> <input type="checkbox"/>	<p>No</p> <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	<p>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</p> <p>The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.</p>	<p>Yes</p> <input type="checkbox"/>	<p>No</p> <input type="checkbox"/>
4.2.1	If so, furnish particulars:		

4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of 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:		
4.4	Was any contract between the bidder and any 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"/>
4.4.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME).....
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS 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 Bidder

Certificate of Independent Bid Determination

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (NCP) 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 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This NCP 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 (NCP 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.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

DRPW 019/2021 : CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM
ADMINISTRATION BLOCK AND REPAIRS AND RENOVATIONS TO EXISTING SCHOOL

(Bid Number and Description)

in response to the invitation for the bid made by:

DEPARTMENT OF ROADS AND PUBLIC WORKS

(Name of Institution)

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

I certify, on behalf of: _____ that:

(Name of Bidder)

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

NCP 9 (7/12/11)

6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

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.

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

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

Local Content Declaration

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS (SBD 6.2)

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

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

1. GENERAL CONDITIONS

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) makes provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) 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 1286:211 as follows:

$$LC = [1 - \frac{x}{y}] * 100$$

Where:

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

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 3.1 below.

THE SABS APPROVED TECHNICAL SPECIFICATION NUMBER SATS 1286:2011 IS ACCESSIBLE ON [HTTP://WWW.DTI.GOV.ZA/INDUSTRIAL DEVELOPMENT/IP.JSP](http://www.dti.gov.za/industrial_development/ip.jsp) AT NO COST.

- 1.6 A bid may be disqualified if this Declaration Certificate and Form L (Annex C, D and E) are not submitted as part of the bid documentation.

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:

Description of services, works or goods	Stipulated minimum threshold
Steel value-added construction material products	
Fabricated Structural Steel	100%
Joining/Connecting Components	100%
Frames	100%
Roof and Cladding	100%
Fasteners	100%
Wire Products	100%
Ducting and Structural Pipework	100%
Gutters, downpipes & launders	100%
Primary steel construction material products	
Plates (>4.5mm thick and supplied in flat pieces)	100%
Sheets (<4.5mm thick and supplied in coils)	100%
Galvanised and Colour Coated coils	100%
WireRod and Drawn Wire	100%
Sections (Channels, Angles, I-Beams and H-Beams)	100%
Reinforcing bars	100%
Electrical cable material products	
Low Voltage	90%
Low Cost Reticulation	90%
Medium & High Voltage	90%
ACR	90%

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

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

Tick applicable box

- 3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid 08 December 2017.

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 (Form A3.6), D and E) audited and certified as correct?

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

Tick applicable box

4.1 If yes, provide the following particulars:

- (a) Full name of auditor:
.....
- (b) Practice number:
- (c) Telephone and cell
number:
- (d) Email address:
.....

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

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

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

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

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name Institution):

.....

N.B.:

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

I, the undersigned (full names),

do hereby declare, in my capacity as

of (name of bidder entity)

the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that the goods/services/works to be delivered in terms of the above- specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and

- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declarations 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 2 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 percentage for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declarations D and E.

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

SIGNATURE:

DATE:

WITNESS No. 1:

DATE:

WITNESS No. 2:

DATE:

Note: VAT to be excluded from all calculations

(C1)	Tender No.	
(C2)	Tender description:	
(C3)	Designated product(s)	
(C4)	Tender Authority:	
(C5)	Tendering Entity name:	
(C6)	Tender Exchange Rate:	Pula <input type="text"/> EU <input type="text"/>
(C7)	Specified local content %	<input type="text"/>

[illegible]

Signature of tenderer from Annex B

Date: _____

(C20) Total tender value

(C21) Total Exempt imported content

(C22) Total Tender value net of exempt imported content

(C23) Total Imported content

(C24) Total local content

(C25) Average local content % of tender

Tender No.	
Tender description:	
Designated Products:	
Tender Authority:	
Tendering Entity name:	
Tender Exchange Rate:	Pula

EU	R 9.00	GBP	R 12.00
----	--------	-----	---------

Calculation of imported content

Summary	
Tender Qty	Exempted imported value
Imported value	

**This total must correspond with
Annex C - C 21**

Calculation of imported content

Summary	
Tender Qty	Total imported value
Value by tenderer	

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SATS 1286.2011

Annex E

Local Content Declaration - Supporting Schedule to Annex C

(E1)	Tender No.	
(E2)	Tender description:	
(E3)	Designated products:	
(E4)	Tender Authority:	
(E5)	Tendering Entity name:	

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			

(E10)	Manpower costs	(Tenderer's manpower cost)	
(E11)	Factory overheads	(Rental, depreciation & amortisation, utility costs, consumables etc.)	
(E12)	Administration overheads and mark-up	(Marketing, insurance, financing, interest etc.)	

(E13) Total local content

This total must correspond with Annex C - C24

Signature of tenderer from Annex B

Date: _____

Compulsory Enterprise Questionnaire

6. Compulsory Enterprise Questionnaire

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

Attach to this form the most recent financial statements of the tendering entity.

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

CSD Number.....

SARS Pin.....

Section 6: Record in the 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 employee or a member of board of directors of cidb |
| <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 |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | <input type="checkbox"/> an employee or a member of board of directors of CIDB |
| <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 authorized to do so on behalf of the enterprise:

- authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- confirms that 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;
- 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;
- 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; and
- confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed

Date

Name

Position

Enterprise name

THE CONTRACT

PART C1 : CONTRACT DATA

Contract Data: JBCC 2000 Principal Building Agreement

CONTRACT DATA: JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

CONTRACT DATA

CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND
REPAIRS AND RENOVATIONS TO EXISTING SCHOOL AT LARENG P/S

	<p>The Conditions of Contract are clauses 1 to 41 of the JBCC Series 2000 Principal Building Agreement (Edition 4.1 of March 2005) prepared by the Joint Building Contracts Committee.</p> <p>Copies of these conditions of contract may be obtained through most regional offices of the Association of South African Quantity Surveyors, Master Builders Association, South African Association of Consulting Engineers, South African Institute of Architects, Association of Construction Project Managers, Building Industries Federation South Africa, South African Property Owners Association or Specialist Engineering Contractors Committee.</p>
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	<p>CONTRACT VARIABLES</p> <p>THE SCHEDULE</p> <p>The schedule contains all variables referred to in this document and is divided into part 1: contract data completed by the employer and part 2: contract data completed by the contractor. Part 1 must be completed in full and included in the tender documents. Both the part 1 and part 2 form part of this agreement</p> <p>Spaces requiring information must be filled in, shown as 'not applicable' or deleted but not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the schedule. Key cross reference clauses are italicized in [] brackets</p>
--	--

42.0	Part 1: Contract Data completed by the Employer:
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42.1	CONTRACTING AND OTHER PARTIES
42.1.1	<p><u>Employer:</u></p> <p>Government of the Republic of South Africa in its Northern Cape Provincial Government, represented by the Accounting Officer of DEPARTMENT OF ROADS AND PUBLIC WORKS</p> <p><u>Postal address:</u></p> <p>Tebogo Leon Tume Complex 9-11 Stockroos Street Square Hill Park KIMBERLY, 8301</p> <p>[1.2] Tel: 053 839 2100 Fax: 053 839 2290 /1</p> <p><u>Physical address:</u></p> <p>Tebogo Leon Tume Complex 9 - 11 Stokroos Street Square Hill Park KIMBERLEY, 8301</p>

42.1.2 [1.1, 5.1]	<p>Principal Agent: Lettie Mphafe</p> <p>Agent's service: Project Leader</p> <p>Postal address:</p> <p style="text-align: center;">Tebogo Leon Tume Complex 9 - 11 Stokroos Street Square Hill Park KIMBERLEY, 8301</p> <p>Tel: [053] 839-2100 Fax: [053] 839 2290 /1 email:mphafel@gmail.com</p>
[1.1]	<p><u>Representative of the Employer:</u></p> <p>Project Leader : Lettie Mphafe</p> <p>Postal address:</p> <p style="text-align: center;">Tebogo Leon Tume Complex 9 - 11 Stokroos Street Square Hill Park KIMBERLEY, 8301</p> <p>Tel: [053] 839 2100 Cell: +27 79 032 4027 Fax: [053] 839 2290 /1</p>
42.1.3 [1.1, 5.2]	<p>Agent (1): .</p> <p>Agent's service: .</p> <p>Postal address:</p> <p style="text-align: center;">.</p> <p>Tel: . Fax: . email: .</p>
42.1.3 [1.1, 5.2]	<p>Agent (2): .</p> <p>Agent's service: .</p> <p>Postal address:</p> <p style="text-align: center;">.</p> <p>Tel: . email: .</p>
42.1.3 [1.1, 5.2]	<p>Agent (3): .</p> <p>Agent's service: .</p> <p>Postal address:</p> <p style="text-align: center;">.</p> <p>Tel: . Fax: . email: .</p>

42.2	CONTRACT DETAILS
42.2.1 [1.1]	Works description: Refer to document C3 – Scope of Work.
42.2.2 [1.1]	Site description: Refer to document C4 – Site Information.
42.2.4 [41.0]	Specific options that are applicable to a State organ only Where so :
[1.1 #] [31.11.2 #] [31.12.2#]	1) Interest rate legislation: The interest rate applicable will be as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)
[11.2.#]	2) Lateral support insurance to be effected by the contractor: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
[31.4.2 #]	3) Payment will be made for materials and goods Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
[40.2.2.#]	4) Dispute resolution by litigation Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
[26.1.2 #]	5) Extended defects liability period applicable to the following elements: N/A
42.2.6 [15.3]	Period for the commencement of the works after the contractor takes possession of the site : Ten (10) working days .
42.2.7 [24.3.1] [30.1]	For the works as a whole: Completion will be as follows: The date for practical completion shall be 12 Months from the commencement date and the penalty per calendar day shall be R 1500.00 for late completion.
42.2.8 [24.3.1] [28.1]	For the works in sections : The date for practical completion from the commencement date and the penalty per calendar day : NOT APPLICABLE Section 1: Section 2: insert description as may be applicable insert penalty amount Section 3: insert description as may be applicable insert penalty amount Section 4: insert description as may be applicable insert penalty amount

42.2.9 [1.2]	The law applicable to this agreement shall be that of the: Republic of South Africa
42.3	INSURANCES
42.3.1 [10.1 #, 10.2 # 12.1 #]	Contract works insurance to be effected by the contractor <input checked="" type="checkbox"/> To the minimum value of the contract sum plus 10% With a deductible not exceeding 5% of each and every claim Or <input type="checkbox"/> For the minimum sum of R (.....) With a deductible not exceeding 5% of each and every claim
42.3.2 [10.1 #, 10.2 #, 12.1 #]	Supplementary insurance is required: Yes To the minimum value of the contract sum plus 10 %
42.3.3 [11.1 #, 12.1 #]	Public liability insurance to be effected by the contractor <input checked="" type="checkbox"/> For the sum of R 5 million With a deductible not exceeding 5% of each and every claim Or <input type="checkbox"/> For the sum of R insert amount (insert amount in words) With a deductible not exceeding 5% of each and every claim
42.3.4 [11.2 #, 12.1 #]	Support insurance to be effected by the contractor For the sum of R insert amount (insert amount in words) With a deductible of R insert amount (insert amount in words)

42.4	DOCUMENTS
42.4.2 [3.7]	Three (3) copies of the construction documents will be supplied to the contractor free of charge
42.4.3	Bills of quantities / Lump sum document schedule of rates drawn up in accordance with: <input checked="" type="checkbox"/> Standard System of Measuring Building Work (sixth edition as amended) Or <input type="checkbox"/> Standard System of Measuring Building Work for Small or Simple Buildings 1999 Or <input type="checkbox"/> Other) <i>Specific Project Specification forming part of this document. It will take preference over any contradictory items in the standard SABS/SANS 1200.</i>

42.4.5 [3.4]	JBCC Engineering General Conditions are to be included in the contract documents: No
42.4.6 [31.5.3] [32.13]	<p>The contract value is to be adjusted using CPAP indices: [N/A]</p> <p>Where CPAP is applicable, the contract sum will be adjusted in accordance with the JBCC Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Indices Application Manual as prepared by the JBCC Series 2000, code 2118, dated May 2005 and any amendments thereto:</p> <ol style="list-style-type: none"> 1) Glass etc. measured in specialist section Metalwork, will be adjusted in terms of the index for that work group unless specifically stated otherwise in the bills of quantities 2) All electrical installations in buildings and power distribution systems shall be adjusted in terms of the index for Work Group 160 Electrical Installation. In case of uninterruptible power supplies, elevators, escalators and hoists, generating sets, motor-alternator sets and intercommunication systems shall be in accordance with Work Group 170 3) With reference to Work Group 190 a proportion of the value related preliminaries pro rata to the amount of work excluded from adjustment, shall be excluded from Contract Price Adjustment Provisions, if Option A has been selected for the adjustment of preliminaries 4) Further to clause 3.4.4 of the CPAP Indices Application Manual, the listing of additional items for exclusion by tenderers, will not be permitted 5) Where V results in a negative amount after application of the formula in clause 8.3 of the CPAP Indices Application Manual the factor of 0,55 shall be substituted by 1,45 <p>Alternative Indices: Not Applicable</p>
42.4.7 [3.10]	<p>Details of changes made to the provisions of JBCC standard documentation</p> <p>Clause</p> <p>1.1 COMMENCEMENT DATE – means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect</p> <p>CONSTRUCTION GUARANTEE – means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule</p> <p>CONSTRUCTION PERIOD – means the period commencing on the commencement date and ending on the date of practical completion</p> <p>CORRUPT PRACTICE – means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution</p> <p>FRAUDULENT PRACTICE – means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer, and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition</p> <p>INTEREST – the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)</p> <p>PRINCIPAL AGENT – means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule</p> <p>SECURITY – means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss</p>

	<p>1.6 Any notice given may be delivered by hand, sent by prepaid registered post or telefax. Notice shall be presumed to have been duly given when:</p> <p>1.6.4 No clause</p> <p>3.2.1 A construction guarantee in terms of 14.0, where so elected in his tender</p> <p>3.7 Add at the end thereof:</p> <p>The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times.</p> <p>3.10 Replace the second reference to "principal agent" with the word "employer"</p> <p>4.3 No clause</p> <p>5.1.2 under clause 41- Include reference to 32.6.3; 34.3; 34.4 and 38.5.8 in terms of which the employer has retained its authority and has not given a mandate to the principal agent and in terms of which the employer shall sign all documents</p> <p>10.5 Add the following as 10.5</p> <p>Damage to the works</p> <p>(1) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary</p> <p>(2) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works</p> <p>(3) The employer shall carry the risk of damage to or destruction of the works and materials paid for by the employer that is the result of the excepted risks as set out in 10.6</p> <p>(4) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof</p> <p>10.6 Add the following as 10.6</p> <p>Injury to Persons or loss of or damage to Properties</p> <p>(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p> <p>(b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works</p>
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	<p>unless due to any act or negligence of any person for whose actions the employer is legally liable</p> <p>(c) The contractor shall upon receiving a contract instruction from the principal agent cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor</p> <p>(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</p> <p>(5) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor, shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed</p> <p>(6) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p> <p>10.7 Add the following as 10.7</p> <p>HIGH RISK INSURANCE</p> <p>In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:</p> <p>10.7.1 Damage to the works</p> <p>The contractor shall, from the commencement date of the works until the date of the certificate of practical completion, bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary</p> <p>When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs</p> <p>10.7.2 Injury to persons or loss of or damage to property</p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</p> <p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's</p>
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	<p>obligations in terms of the contract, the contractor shall, within twenty one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p> <p>14.0 Replace the entire clause 14.0 with the following:</p> <p>14.0 SECURITY</p> <p>14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)</p> <p>14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor</p> <p>14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected.</p> <p>14.3 Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor</p> <p>14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor</p> <p>14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor</p> <p>14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor</p>
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	<p>14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party</p> <p>14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender</p> <p>14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee</p> <p>14.5 Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)</p> <p>14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion</p> <p>14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8(A) and 34.8</p> <p>14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both</p> <p>14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor</p> <p>14.6.3 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both</p> <p>14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(B)</p>
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- 14.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**
- 14.8 Payments made by the guarantor to the **employer** in terms of the fixed or variable **construction guarantee** shall not prejudice the rights of the **employer** or **contractor** in terms of this **agreement**
- 14.9 Should the **contractor** fail to furnish the **security** in terms of 14.2 the **employer**, in his sole discretion, and without notification to the **contractor**, is entitled to change the **contractor's** selected form of **security** to that of a ten per cent (10%) payment reduction of the value certified in the **payment certificate** (excluding VAT), whereafter 14.7 shall be applicable
- 15.1.1 No clause
- 15.1.2 The **security** selected in terms of 14.0
- 15.1.4 Add 15.1.4 as follows:
- An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993 as amended), within twenty-one (21) **calendar days** of **site handover date**
- 15.2.1 Under 41: Amend to read as follows:
- "Give the **contractor** possession of the **site** within ten (10) **working days** of the **commencement date**.
- 17.1.11 Delete the words "and the appointment of **nominated** and **selected subcontractors**"
- 20.1.3 No clause
- 21.0 No clause
- 26.1.2 Add # next to 26.1.2
- 29.2.5 No clause
- 31.5.2 Security adjustments in terms of 14.0 or 31.8
- 31.8 Amend as follows:
- 31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and of the **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:
- 31.8(A).1 Ninety-five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**
- 31.8(A).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**
- 31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6
- 31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**.

	<p>31.8(B) Where security is a payment reduction in term of 14.7 has been selected the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6</p> <p>31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except were the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate</p> <p>31.12 Delete the following: "Payment shall be subject to the employer giving the contractor a tax invoice for the amount due."</p> <p>32.5.1 Add the following to the end of each of these clauses: "...due to no fault of the 32.5.4 contractor" and 32.5.7</p> <p>34.1 Remove #</p> <p>34.2 Add # next to 34.2</p> <p>34.8 The principal agent shall certify one hundred per cent (100%) of the amount of the final account in the final payment certificate</p> <p>34.13 Replace "seven (7) calendar days" with "twenty one (21) calendar days" and delete the words: "subject to the employer giving the contractor a tax invoice for the amount due"</p> <p>36.1 Add the following clauses 36.1.3 to 36.1.5. under 36.1 to read as follows:</p> <p>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract</p> <p>36.1.4 estate being sequestrated; liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>36.1.5 in the judgment of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>36.3 Remove reference to "No clause", and replace "principal agent" with "employer"</p> <p>36.7 Add the following: "Notwithstanding any clause to the contrary, on cancellation of this 37.5 agreement either by the employer or the contractor; or for any reason whatsoever, and the contractor shall on written instruction, discontinue with the works on a date stated 38.7 and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever"</p> <p>37.3.5 Replace "ninety (90)" with "one hundred and twenty (120) And 38.5.4</p>
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	<p>39.3.5 Add the following words at the end thereof: “within one hundred and twenty (120) working days of completion of such a report”</p> <p>40.2.2 under clause 41 – Replace “one (1) year” with “three (3) years”</p> <p>40.6 under clause 41 – Remove reference to no clause</p> <p>40.7.1 Change “(10)” to “(15)”</p> <p>Add the following to the end thereof:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs.</p>
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42.0	Part 2: Contract Data provided by the Contractor:
42.5	CONTRACT DETAILS
42.5.1	<p>Contractor:</p> <p>Postal address:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Tel: _____ Fax: _____</p> <p>TAX / VAT Registration No: _____</p> <p>Physical address:</p> <p>_____</p> <p>_____</p> <p>_____</p>

42.5.2	The accepted contract sum inclusive of tax is R _____ Amount in words: _____
42.5.3 [31.3]	The latest day of the month for the issue of an interim payment certificate : _____
42.5.4 [32.12]	The preliminaries amounts shall be paid in terms of: Alternative A <input type="checkbox"/> Alternative B <input type="checkbox"/>
42.5.5 [32.12]	The preliminaries amounts shall be adjusted in terms of: Alternative A <input type="checkbox"/> Alternative B <input type="checkbox"/>
42.5.7 [14]	<p>The security to be provided by the contractor:</p> <p>(a) in respect of contracts up to R1 million, the contractor will provide security in terms of 14.1</p> <p>(b) in respect of contracts above R1 million, the contractor will provide, as security, one of the following:</p> <p>(1) cash deposit of 10 % of the contract sum (excluding VAT) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(2) variable construction guarantee of 10 % of the contract sum (excluding VAT) (DPW-10.3 EC) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(3) payment reduction of 10% of the value certified in the payment certificate (excluding VAT) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(6) cash deposit of 5% of the contract sum (excluding. VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding. VAT) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(7) fixed construction guarantee of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) (DPW-10.1 EC) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>NB. Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-Term Insurance Act, 1998 (Act 35 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.</p>
42.5.8 [29.7.2]	<p>The annual building holiday period after the commencement of the construction period:</p> <p>From: _____ to _____</p>

42.6	DOCUMENTS
42.6.1	<p>Contract documents marked and annexed hereto:</p> <p>Priced bills of quantities: Yes <input type="checkbox"/> No <input type="checkbox"/> Document marked as: _____</p> <p>Lump sum document: : Yes <input type="checkbox"/> No <input type="checkbox"/> Document marked as: _____</p> <p>Guarantees: Yes <input type="checkbox"/> No <input type="checkbox"/> Document marked as: _____</p> <p>Contract drawings: Yes <input type="checkbox"/> No <input type="checkbox"/> Document marked as: _____</p> <p>Other documents: Yes <input type="checkbox"/> No <input type="checkbox"/> (<i>Attach additional pages if more space is required</i>)</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

Fixed Construction Guarantee – JBCC

FIXED CONSTRUCTION GUARANTEE
JBCC 2000 PRINCIPAL BUILDING AGREEMENT
(Edition 4.1 of March 2005)

HEAD OF DEPARTMENT
DEPARTMENT OF ROADS AND PUBLIC WORKS
GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA

TO: CFO - Mr B Slingers
Tebogo Leon Tume Complex
9 - 11 Stokroos Street
Square Hill Park
KIMBERLEY, 8301

Sir,

**FIXED CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT
IN TERMS OF JBCC 2000 (4.1 EDITION MARCH 2005)**

1. With reference to the contract between _____
_____ (hereinafter referred to as the “**contractor**”) and the Government of the Republic of South Africa in its DEPARTMENT OF ROADS & PUBLIC WORKS (hereinafter referred to as the “**employer**”), Contract/Tender No:DRPW 019/2021 for the CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND REPAIRS AND RENOVATIONS TO EXISTING SCHOOL

(hereinafter referred to as the “contract”) in the amount of R **insert amount, (insert amount in words)**, (hereinafter referred to as the **contract sum**),

I / We, _____

in my/our capacity as _____ and hereby

representing _____ (hereinafter referred to as the “**guarantor**”) advise that the **guarantor** holds at the **employer’s** disposal the sum of R **insert amount, (insert amount in words)** being 10% of the **contract sum** (excluding VAT), for the due fulfilment of the contract.
2. The **guarantor** hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis*; and all other exceptions which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the **employer** the amount guaranteed, during the period when the claim is received by the **guarantor**, on receipt of a written demand from the **employer** to do so, and which demand the **employer** may make if the **employer** has a right of recovery against the **contractor** in terms of 33.0 of the contract.
3. Subject to the above, but without in any way detracting from the **employer’s** rights to adopt any of the procedures provided for in the contract, the said demand can be made by the **employer**, at any stage prior to the expiry of this guarantee.
4. The amount paid by the **guarantor** in terms of this guarantee may be retained by the **employer** on condition that upon the issue of the last final **payment certificate**, the **employer** shall account to the **guarantor** showing how this amount has been expended and refund any balance due to the **guarantor**.
5. The **employer** shall have the absolute right to arrange his affairs with the **contractor** in any manner which the **employer** deems fit and the **guarantor** shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the **guarantor**. Without derogating from the foregoing, any compromise, extension of the **construction period**, indulgence, release or variation of the **contractor’s** obligation shall not affect the validity of this guarantee.

6. This undertaking is neither negotiable nor transferable, and
- (a) must be surrendered to the **guarantor** at the time when the **employer** accounts to the **guarantor** in terms of clause 4 above, or
 - (b) shall lapse on the date of the last **certificate of practical completion**; and
 - (c) shall not be interpreted as extending the **guarantor's** liability to anything more than payment of the amount guaranteed.

SIGNED AT _____ ON THIS _____ DAY OF _____ 201__

AS WITNESS

- 1. _____
- 2. _____

By and on behalf of

(insert the name and physical address of the guarantor)

NAME: _____

CAPACITY: _____
(duly authorised thereto by resolution attached marked Annexure A)

DATE: _____

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

Variable Construction Guarantee – JBCC

VARIABLE CONSTRUCTION GUARANTEE
JBCC 2000 PRINCIPAL BUILDING AGREEMENT

(Edition 4.1 of March 2005)

HEAD OF DEPARTMENT
DEPARTMENT OF ROADS AND PUBLIC WORKS
GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA

TO: CFO – Mr B Slingers
Tebogo Leon Tume Complex
9 - 11 Stokroos Street
Square Hill Park
KIMBERLEY, 8301

Sir,

VARIABLE CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF JBCC 2000
(4.1 EDITION MARCH 2005)

5. With reference to the contract between _____

_____ (hereinafter
referred to as the “**contractor**”) and the Government of the Republic of South Africa, in its
DEPARTMENT OF ROADS & PUBLIC WORKS, (hereinafter referred to as the “**employer**”),
Contract/Tender No: DRPW 019/2021 for the CONSTRUCTION OF DOUBLE ECD CLASSROOM AND
NUTRITION CENTRE AT GAOSHUPE PRIMARY SCHOOL

(hereinafter referred to as the “contract”) in the amount of R **insert amount, (insert amount in words)** (hereinafter
referred as the **contract sum**),

I / We, _____

in my/our capacity as _____ and hereby

representing _____ (hereinafter referred to as the “**guarantor**”)
advise that the **guarantor** holds at the **employer’s** disposal the sum of R **insert amount,**
(insert amount in words) being 10% of the **contract sum** (excluding VAT), for the due fulfillment of the contract.

6. I / We advise that the **guarantor’s** liability in terms of this guarantee shall be reduced as follows:

- (a) From and including the date on which this guarantee is issued and up to and including the date of payment of the amount in the last final **payment certificate**, the **guarantor** will be liable in terms of this guarantee to the maximum amount of 10% of the **contract sum** (excluding VAT);
- (b) From and including the day after the date of the last **certificate of practical completion** and up to and including the date of the last **final completion** certificate, the **guarantor’s** liability will be reduced to 3% of the value of the works (excluding VAT);
- (c) From and including the day after the date of the last **final completion** certificate and up to and including the date of settlement of the amount in the last final **payment certificate**, the **guarantor’s** liability will be reduced to 1% of the value of the works (excluding VAT);
- (d) This guarantee shall expire on the date of payment of the amount in the last final payment certificate.

7. The **guarantor** hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis*; and all other exceptions which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the **employer** the amount guaranteed, during the period when the claim is received by the **guarantor**, on receipt of a written demand from the **employer** to do so, and which demand the **employer** may make if the **employer** has a right of recovery against the **contractor** in terms of 33.0 of the contract.

(c) Subject to the above, but without in any way detracting from the **employer's** rights to adopt any of the procedures provided for in the contract, the said demand can be made by the **employer** at any stage prior to the expiry of this guarantee.

(d) The amount paid by the **guarantor** in terms of this guarantee may be retained by the **employer** on condition that upon the issue of the last final **payment certificate**, the **employer** shall account to the **guarantor** showing how this amount has been expended and refund any balance due to the **guarantor**.

(e) The **employer** shall have the absolute right to arrange his affairs with the **contractor** in any manner which the **employer** deems fit and the **guarantor** shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the **guarantor**. Without derogating from the foregoing, any compromise, extension of the construction period, indulgence, release or variation of the **contractor's** obligation shall not affect the validity of this guarantee.

(f) This undertaking is neither negotiable nor transferable, and

(a) must be surrendered to the **guarantor** at the time when the **employer** accounts to the **guarantor** in terms of clause 5 above, or

(b) shall lapse in accordance with clause 2(d) above; and

© shall not be interpreted as extending the **guarantor's** liability to anything more than the payment of the amount guaranteed.

SIGNED AT _____ ON THIS _____ DAY OF

201__

AS WITNESS

3. _____

4. _____

By and on behalf of

(insert the name and physical address of the guarantor)

NAME: _____

CAPACITY: _____
(duly Authorized thereto by resolution attached marked Annexure A)

DATE: _____

D. No alterations and/or additions of the wording of this form will be accepted.

- E. The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.
- F. This GUARANTEE must be returned to: _____
- _____

PART C3: SCOPE OF WORKS

Scope of Works – JBCC

SCOPE OF WORKS
JBCC 2000 PRINCIPAL BUILDING AGREEMENT
(Edition 4.1 of March 2005)

PROJECT	CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND REPAIRS AND RENOVATIONS TO EXISTING SCHOOL AT LARENG P/S
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C3. Scope of Works

EXTENT OF THE WORKS

In general, the works consist of construction of 10 new classrooms, a double early childhood development classroom, a medium administration block including repairs and renovations to the existing school with associated site works.

The following structures or work is to be carried out:

1. 10 new classrooms
2. A double Early Childhood Development Structure
3. A medium administration block and,
4. Repairs and renovations to existing school

ORDER OF THE WORKS

As per contractor's preliminary programme and as agreed by Project Leader and not to exceed the contract period

ACCESS

The site is at Lareng Primary School

Mothibistad

Ga-Segonyana Municipal Area

Access to the premises will be pointed out by the representative of the department on site.

Health and Safety Specification

STANDARD HEALTH AND SAFETY SPECIFICATION

Standard Bills

These specifications shall be used in conjunction with all other applicable Health and Safety specifications, Legislation as in Occupational Health and Safety Act no. 85 of 1993 as amended by Act no.181 of 1993, the Construction Regulations as promulgated in 2014 and incorporated into the OHS Act by Government Notice No. R1010 published in Government Gazette 25207, General Safety Regulations as promulgated on 18 July 2006 and incorporated into the OHS Act by Government Notice No. 1010 published in Government Gazette 25207 and all other relevant regulations incorporated into the OHS Act as well as ISO 9 000, all Environmental legislation such as:

- Environment Conservation Act No. 73 of 1989
- National Water Act No. 36 of 1998
- Hazardous Substances Act No. 15 of 1973
- Atmospheric Pollution Prevention Act No.45 of 1965
- Physical Planning Act 88 of 1967

GENERAL

- Client

The Client, Department of Roads and Public Works, shall execute his duties as per Regulation 4 of the Construction Regulations of 2003 that states inter alia, the following:

1. A client shall be responsible for the following in order to ensure compliance with the provisions of the Act-
 - (a) Prepare health and safety specifications for the construction work, and provide any Contractor who is making a bid or appointed to perform work for the client with the same;
 - (b) Appoint each Contractor in writing for the project or part thereof on a construction site;
 - (c) Take reasonable steps to ensure that each Contractor's health and safety plan is implemented and maintained on the construction site. Provided that the steps taken, shall include periodic audits at intervals, mutually agreed upon between the client and the Contractor, but at least once every month;
 - (d) Stop any Contractor from executing construction work, which is not in accordance with, the Contractor's health and safety plan;
 - (e) Ensure that where changes are brought about to the design or construction, sufficient health and safety information and appropriate resources are made available to the principal contractor to execute the work safely;
 - (f) Ensure that every Contractor is registered and in good standing with the Compensation fund or with a licensed compensation insurer prior to commencing on site.
 - (g) Ensure that potential principal contractors submitting tenders, have made provision for the cost of health and safety measures during construction process.

Therefore, the following specifications from the Client to the Contractor:

- Each and every Contractor shall make the following appointments and provide the necessary training accordingly:

- (a) Construction Works Supervisor
- (b) Health and Safety Representatives
- (c) Health and Safety Committee
- (d) Machinery Supervisor
- (e) Excavation Inspector
- (f) And all the necessary appointments as per the OHS Act and the relevant Regulations

All appointments should be completed before work commencement, signed, dated and completed in full, be fully explained to the nominated individual and should be at all times displayed on Site Notice Board that will have to be at least 600mm by 800mm.

- The Site Notice Board should also *inter alia*, have the following information on it:
 - a. Site regulations concerning safe working procedures
 - b. Information on the nearest first-aid station
 - c. Ambulance
 - d. Doctor
 - e. CSO's number and
 - f. Other relevant persons
- Each and every Contractor shall give notification of Construction work to the Office of the Department of Labour **PRIOR** to commencement of work.
- Each Contractor shall provide the Client with a Pre Site establishment checklist
- Each Contractor shall to monthly safety audits on the project and provide the Client with a copy thereof
- Each Contractor shall provide to the Client a Health and Safety Representative inspection checklist and ensure that Health and Safety representatives do inspections at least on a monthly basis
- Each Contractor shall provide and demonstrate to the Client a Health and Safety management policy
- As per the General Safety Regulations Regulation 4 as contemplated in the Basic Conditions of Employment Act, No. 3 of 1983, have the relevant amount of trained First-Aiders on site.
- In terms of Regulation 3 of the General Safety Regulations, provide a first-aid box or boxes on the premises of work
- In terms of Section 23 of the OHS Act, provide all workers at all times, with the necessary PPE.
- In terms of the Facilities Regulations provide the necessary facilities such as proper ablution, during space, lockers and any other item as per the Facilities Regulations that is necessary to carry out the work safely and without risk to the health of the workers.
- Keep an incident record book on site at all times.

SAFE WORKING LOADS

The Contractor shall ensure that where applicable:

- safe working loads of hoists, load bearing beams and cranes are prominently displayed at all times.
- The safe working loads are not exceeded under any circumstances.
- All lifting gear is marked with a unique identity number and recorded in a register

ELECTRICAL EQUIPMENT AND PROCEDURES USED BY THE CONTRACTOR

All electrical equipment shall be regularly inspected by a qualified electrician, who shall be appointed by the Contractor. And the inspections shall be logged. The frequency of inspections shall be determined by the Client. A record of the inspections shall be kept and shall be made available to the Client on request

The Contractor shall ensure that all his electrical equipment conforms to operational and safety requirements.

All earth leakage units shall be tested at intervals of not more than one month and signed for by a qualified electrician.

COMMISSIONING SAFETY PRECUATIONS

The Contractor shall ensure that wherever repairs, adjustments of any other work are undertaken on any plant or machinery, the power supply is switched off, disconnected or the plant/machinery disengaged until the work or repairs have been completed.

A Certificate of Completion by a qualified master electrician will be issued after electrical work is completed.

TOXIC MATERIALS

The Contractor shall exercise all necessary care in the handling of toxic compounds and shall be able to identify the major chemical components in the event of medical treatment being required.

A designated route as well as a dumping site will be identified for the transportation and disposal of waste material by the service provider.

INDEMNITY OF THE CLIENT AND HIS AGENTS

Annexure A to this Specification contains a "Mandatory Form of Authority and Agreement in terms of Section 37(2) of the Occupational Health and Safety Act No 85/93, as amended, which agreement shall be entered into and duly signed by both the Client and the Contractor prior to commencement of work. A copy of the signed agreement shall be included in the Contractor's Health and Safety Plan.

Any acceptance, approval, check, certificate, consent, examination, inspection, instruction, notice observation, proposal, request, test or similar act by either the Client or any of his Agents, including lack of disapproval, shall not relieve the Contractor from any responsibility he has under the Act and the relevant regulations (Construction Regulation), including responsibility for errors, omissions, discrepancies and non-compliance.

SPECIFIC REQUIREMENTS

Design

No significant hazards can be identified which have not been considered in the detailed design. However, hazard must be anticipated that are due to and arising from shoddy and careless workmanship and unconventional construction methods used by semi-qualified and unqualified craftsmen during skills transfer.

Work sequences are a logical progression of the construction of a building under consideration of the tender documentation, National Building Regulations, Regulations, the Standard Occupational Health and Safety Specifications, other specifications and manufacturers' instructions.

Security

The Contractor's material site must be properly secured.

Existing environment

The surrounding roads and properties will be pointed out to the Contractor at site handover.

If the flow of traffic is in no way going to be hampered by the contractor's work, the necessary traffic authorities must be immediately informed.

Existing services

All known services will be pointed out at site handover.

Contractors must recognize that all services on the site must be expected to be "live" and potentially critical to the safe functioning of the works. Precautions for any work on or near them should be identified, planned, approved and taken accordingly.

In the event that previously unidentified services are discovered, Contractors shall immediately refer detail of location, suspected condition and status to the Client and await instruction. On no account must any services be interfered with without specific instruction and authority.

Ground conditions

As per the geotechnical assessment.

Related restrictions affecting health and safety

Being in a residential area, normal daytime working hours are to be adhered to in order to minimize disturbance to surrounding residences.

No unauthorized blasting in a residential area will be done without authorization from the client.

Control of pollution

All rubble, refuse, etc. is to be disposed of in accordance with the municipal by-laws.

Needed to mention, the above mentioned health and safety specifications should be used in accordance with the standard specifications as can be found in the existing tender document of the Client.

The Client can and will, if necessary and in the interest of health and safety, amends the above mentioned specifications.

An identified and agreed dumping site will be used in case of hazardous material. A disposal certificate will be issued by the contractor after disposal.

- **Principal Contractor and Contractor**

In terms of Regulation 5 of the Construction Regulations, after receiving the health and safety specifications from the Client, the Principal Contractor shall provide and demonstrate to the Client a Health and Safety Plan. This Health and Safety Plan shall indicate that the (Contractor) shall perform, but is not limited to, the following duties:

GENERAL REQUIREMENTS

- Administration
- Appointments
- Safety committees
- Registers, Checklists and permits
- Incident management
- Emergency planning
- Contractors
- Risk assessment
- Audits
- Hazardous substance control
- Training
- Additional requirements
- Planning

Annexure:

The following annexures should be attached to the Health and Safety Plan and the format should be agreed upon between the Client and the Contractor:

- Pro forma for Construction Works Supervisor appointment
- Pro forma for Health and Safety Representative Appointment and his IOSH membership
- Pro forma for Machinery Supervisor appointment
- Pro forma for Excavation Inspector appointment
- Pro forma for Notification of Construction Work
- Pro forma – Pre Site Inspection Checklist
- Monthly Safety Audit Checklist
- Health and Safety Representative Inspection checklist
- Health and Safety Management Policy

CONCLUSION

The objectives of this document is to outline all necessary procedures required to implement and maintain a comprehensive Occupational Health and Safety System for Construction Projects in line with specifications prescribed by the Department of Roads and Public Works.

It is general business imperative of the Department of Roads and Public Works to understand and embrace safe working procedures. Violations of simple safety procedures can lead to injury and even loss of life. Every accident, no matter how minor, can be translated into costs against the Project. These costs are both direct (damage to property, medical expenses, etc.) and indirect (investigation proceedings, disruption of work, delay in program, plant replacements, etc).

In order for an easier understanding of legislative requirements in particular with regard to the Construction Regulations this proposed planning document has been compiled in a very simplistic manner. It will therefore not focus on each and every scenario that may arise and does not intend to convey all requirements of statutes other than the following:

1. Occupational Health and Safety Act No. 85/93 as amended by Act No. 181/93
2. Incorporated Regulations of the Act – Construction Regulations of 2003
3. Relevant SABS codes of the Practice as per Section 40 of the OHS Act.
4. Compensation for Occupational Injury and Diseases Act no. 130 of 1993 as amended.

STANDARD ABBREVIATIONS

OCCUPATIONAL HEALTH AND SAFETY

ITEM	TERM	ABBREVIATION
1	Health and Safety	H&S
2	Occupational Health and Safety	OHS
3	Safety Health and environment Representative	SHE REP
4	Hazard Identification and Risk Assessment	HIRA
5	Personal Protective Equipment	PPE
6	General Administrative Regulations	GAR
7	Facilities Regulations	FR
8	General Safety Regulations	GSR
9	Environmental Regulations	ER
10	Electrical Installation Regulations	EIR
11	Asbestos Regulations	AR
12	Driven Machinery Regulations	DMR
13	General Machinery Regulations	GMR
14	Electrical Machinery Regulations	EMR
15	Diving Regulations	DR
16	Lead Regulations	LR
17	Vessels under Pressure Regulations	VPR
18	Regulations for Hazardous Chemicals Substances	HAZCHEM Reg.
19	Major Hazard Installation Regulations	MHIR
20	Construction Regulations	CR
21	Mines Health and Safety Act	MHS ACT
22	Compensation for Occupational Injuries and Diseases Act	COIDA
23	South African Bureau of Standards	SABS
24	Construction Safety Officer	CSO
25	Medical Safety Data Sheet	MSDS
26	Tunneling Regulations	TR
27	Traffic Calming Devices	TCD
28	Environmental Impact Assessment	EIA
29	Hazardous Chemical Substances	HCS
30	Dangerous Goods	DG
31	Dry Chemical Powders	DCP

HEALTH AND SAFETY SPECIFICATION

BREAKDOWN OF MINIMUM EXPECTED COST ITEMS

CARRY TOTAL TO SECTION C, CLAUSE C11 OF PRELIMINARIES

NO	GENERAL REQUIREMENTS	STATUE	QUANTITY	RATE	AMOUNT
1	Contractor's Health and safety Plan	Regulation 5 of CR	1/site		
2	Contractor's full time construction Supervisor	Regulation 6(1) of CR	1/site		
3	Risk Assessment	Regulation 7(1)	1/site		
4	Fall protection plan	Regulation 8(1)	1/site		
5	Demolition work	Regulation 12 (1) of CR	1		
6	Scaffolding and suspended platforms supervisor (Full time)	Regulation 14(1) of CR	1		
7	Construction welfare facilities	Regulation 28(1)	1		
8	Health and safety induction	Section 13 of OHS ACR 85/93	1		
9	Trained health and safety representatives	Section 17 and 18 of OHS ACT 85/93	2 rep for every ten employees		
10	Trained health and safety committee(s)	Section 19 and 20 of OHS ACT	At least one (1) Committee		
11	Provision of PPE for workers free of charge at employer's expense	Section 23 of OHS Act 85/93	All workers on site		
12	Provision of trained first-aiders full time on site	Regulation 3(94) of GSR	2 trained first-aiders for up to every 10 employees		
13	Log books including health and safety file full time on site	Regulation 8(1) of GAR	1		
14	Notices on site	Regulation 11(1) of GAR	3		
15	Safety straps, safety harnesses, safety rails and safety devices	Section 8 of OHS ACT 85/93			
16	Full time health and safety officer on site		1		
17	Compliance to health and safety protocols related to the Covid-19 must clearly be incorporated into the Health and Safety Plan		1		
TOTAL CARRIED TO THE PRELIMINARIES CLAUSE C11 IN SECTION C OF THE PRELIMINARIES AND GENERAL					

PART C4: SITE INFORMATION

Site Information – JBCC

SITE INFORMATION

JBCC 2000 PRINCIPAL BUILDING AGREEMENT

(Edition 4.1 of March 2005)

Project title:	CONSTRUCTION OF 10 CLASSROOMS, DOUBLE ECD CLASSROOM, MEDIUM ADMINISTRATION BLOCK AND REPAIRS AND RENOVATIONS TO EXISTING SCHOOL AT LARENG P/S
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C4 Site Information

1. LOCATION AND ACCESS

Lareng Primary School

Mothibistad

Ga-Segonyana Municipal Area

Please contact the project leader for confirmation of the site. The project leader for this project is:

Lettie Mphafe, Cell: +27 79 032 4027 , email: mphafel@gmail.com or contact the implementing agent at 053
839 2100 for more information.

2. NATURE OF THE GROUND

Geotechnical tests were not carried out on site to determine the nature of the ground.

Tenderers / Bidders may however inspect the premises to make themselves thoroughly acquainted with the
nature of the ground.

PART C2 : PRICING DATA

PRICING INSTRUCTIONS

JBCC 2000 PRINCIPAL BUILDING AGREEMENT

(Edition 4.1 of March 2005)

C2.1 Pricing Instructions

1. BILLS OF QUANTITIES

The pricing strategy adopted for this project is the **bills of quantities** which forms part of and must be read and priced in conjunction with all the other documents forming part of the **contract documents**, the Standard Conditions of Tender, Conditions of Contract, Specifications, Drawings and all other relevant documentation.

The Standard System of Measuring Building Work referred to in Clause 41.4.3 of Section 1: Preliminaries (Section A), has reference. Except where stated otherwise or where it is clear from the contents of the measured items, these bills of quantities have been compiled in accordance with the "Standard System of Measuring Building Work" 6th edition (as amended), issued by the Association of South African Quantity Surveyors. All measurements and payments will be done in accordance with the principles as laid down in the said Standard System of Measuring Building Work.

2. GENERAL PREAMBLES

For further amplification of descriptions of materials to be used and methods to be adopted, the contractor is referred to the Specification of Materials and Methods to be used (PW371) as published by the Department of Public Works (fourth revision, October 1993), the relevant descriptions which shall be deemed to be read and priced in conjunction with the descriptions in the **bills of quantities**. No claims arising from brevity of description of items fully described in the said specification will be entertained.

The document Specification of Materials and Methods to be used (PW371) is obtainable on request from the head office and all regional offices of the Department.

3. ORDERING OF MATERIALS

The Contractor shall place orders timeously for materials or specified articles that are required. Should the **bills of quantities** be used for ordering materials, this shall be entirely at the contractor's risk.

4. IMPORTED MATERIALS AND EQUIPMENT

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, material or equipment shall be excluded from currency fluctuations. (Refer to form DPW-23 EC for the Schedule of imported materials and equipment to be completed by the tenderer).

Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable).

5. VALUE ADDED TAX

The tender price must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the **bills of quantities** must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.

6. PRIME COST AMOUNTS

Prime cost amounts are a net allowance, excluding VAT, for materials only, and the tenderer should allow for the necessary labour, wastage, profit, etc in pricing these items.

7. EXISTING SERVICES

During construction in the various areas, it is anticipated that unknown live services will be exposed and temporary deviations will need to be constructed. The Contractor will be deemed to have made due allowance in his programming and pricing of the Bills of Quantities for possible delays due to the existence of unknown live services and no extension of time claims will be entertained in this regard.

8. SECURITY

The Contractor is to provide for his own site security and is to co-ordinate overall site security with any Nominated Sub-Contractors.

9. ACTS OF PARLIAMENT, ORDINANCES, REGULATIONS AND BY-LAWS AND OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993 – SECTION 37 [2])

Reference made to, or requirements called for in terms of the provisions of any Act of Parliament, Ordinance and the Regulations or By-Laws of any local or other statutory authority shall not in any way limit the Tenderer / Contractor's liability or obligations to familiarise himself with and comply with the provisions of all Acts of Parliament, Ordinances and the Regulations or By-Laws of any local or other statutory authority which may be applicable.

The Tenderer's attention is drawn to the fact that the Occupational Health and Safety Act (Act 85 of 1993 – Section 37[2]) is in force. Copies of the Act as well as the Construction Regulations 2003, issued in terms of the Act, are available from the Government Printing Works, 149 Bosman Street, Pretoria (Private Bag X85, Pretoria, 0001. Tel. 012 – 334 4500)

The Contractor is to provide the appropriate number of Safety Officers required for the execution of the full project and for the duration of the entire contract.

These Bills of Quantities contain items relating to the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act 85 of 1993). Tenderers must price separately all the relevant items under clause C11 of the Preliminaries to enable the Department to ensure that tenderers have made provision for the cost of all health and safety measures during the construction process.

10. CONTRACT PRICE ADJUSTMENT PROVISIONS (ESCALATION)

This Contract will be / ~~will not~~ be subject to escalation in terms of the JBCC Contract Price Adjustment Provisions.

11. LOCAL LABOUR

The Tenderer's attention is specifically drawn to Clause 13, Section 1: Preliminaries (Section C) of these Bills of Quantities.

It is strongly recommended that the successful Contractor appoint a community facilitator in order to facilitate the requirements of Clause 13 of the Preliminaries (Section C).

It must be clearly understood that should a community facilitator be appointed; he will remain the full responsibility of the Contractor and no claims will be entertained in this respect.

12. EXPENSES IN PREPARATION OF TENDERS

The Employer will not be responsible for, or pay for, any expenses or losses incurred by the Tenderer during the preparation of his tender.

C2.2- Bills of Quantities

PROVISIONAL BILLS OF QUANTITIES

FOR

Lareng Primary School

FOR

Department of Public Works

ARCHITECTS

Department of Roads and Public Works

Tel.

Fax:

e Mail:

Principal Agent

Department of Roads and Public Works

Tel.

Fax:

e Mail:

QUANTITY SURVEYORS

Department of Roads and Public Works

Quantity Surveyor's

9-11 Stockroos Street

Squarehill Park

Floors

8301

Tel. [053]-839-2100

Fax: [053]-839-2100

e Mail: dmaqutyana@gmail.com



SECTION NO. 1

PRELIMINARIES AND GENERAL

Amount

SECTION NO. 1

PRELIMINARIES AND GENERAL

MEANING OF TERMS 'TENDER / TENDERER'

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

PRELIMINARIES

The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein.

The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause.

These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable".

PRICING OF PRELIMINARIES

Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item

Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

A1.0 DEFINITIONS AND INTERPRETATION

1 Clause 1.0

Clause 1.1 Definition of "Commencement Date" is added:

"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect

Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:

"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule

Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:

"CONSTRUCTION PERIOD" means the period commencing on the commencement date and ending on the date of practical completion

Clause 1.1 Definition of "Corrupt Practice" is added:

Carried To Section Summary

R

Section No. 1
Bill No. 1
Preliminaries

"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

Clause 1.1 Definition of "Fraudulent Practice" is added:

"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.

Clause 1.1 Definition of "Interest" is amended by replacing it with the following:

"INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)

Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:

"PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule

Clause 1.1 Definition of "Security" is amended by replacing it with the following:

"SECURITY" means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss

Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"

Clause 1.6.4 is amended by replacing it with the following:

No clause

Item

OBJECTIVE AND PREPARATION

A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

2 Clause 2.0

Item

A3.0 DOCUMENTS

3 Clause 3.0

Clause 3.2.1 is amended by replacing "14.1" with "14.0"

Clause 3.7 is amended by the addition of the following:

The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times.

Carried To Section Summary

R

Section No. 1

Bill No. 1

Preliminaries

		Amount
	Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"	Item
	<u>A4.0 DESIGN RESPONSIBILITY</u>	
4	Clause 4.0	
	Clause 4.3 is amended by replacing it with the following: No clause.	Item
	<u>A5.0 EMPLOYER'S AGENTS</u>	
5	Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8	Item
	<u>A6.0 SITE REPRESENTATIVE</u>	
6	Clause 6.0	Item
	<u>A7.0 COMPLIANCE WITH REGULATIONS</u>	
7	Clause 7.0	
	Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification.	Item
	<u>A8.0 WORKS RISK</u>	
8	Clause 8.0	Item
	<u>A9.0 INDEMNITIES</u>	
9	Clause 9	Item
	<u>A10.0 WORKS INSURANCES</u>	
10	Clause 10.0	
	Clause 10.0 is amended by the addition of the following clauses: 10.5 Damage to the Works (a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary (b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works (c) The employer shall carry the risk of damage to or destruction of the works and materials paid for by the employer that is the result of the excepted risks as set out in 10.6	
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(d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable

(b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable

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

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

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

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

10.7 High risk insurance

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

10.7.1 Damage to the works

The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above.

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The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary

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

10.7.2 Injury to persons or loss of or damage to property

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

The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so

10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole.

A11.0 LIABILITY INSURANCES

11 Clause 11.0

Item

A12.0 EFFECTING INSURANCES

12 Clause 12.0

Item

A13.0 No clause

A14.0 SECURITY

13 Clause 14.0

Item

Causes 14.1 - 14.8 are amended by replacing them with the following:

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14.1 In respect of contracts with a contract sum up to R1 million the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)

14.1.1 The payment reduction of the value certified in the payment certificate shall be mutatis mutandi in terms of 31.8(A)

14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor

14.2 In respect of contractors with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6 or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from the commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected

14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum. (excluding VAT) has been selected:

14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date.

14.3.2 Within twenty-one (21) calendar days of the date of practical completion of works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor

14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor

14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor.

14.3.5 The employer shall be entitled to recover the expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.

14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party

14.4 Where security as variables construction guarantee of ten per cent (10%) of the contract sum (excluding VAT) has been selected:

14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement day

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14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender

14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring

14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee

14.5 Where security as fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:

14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)

14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion

14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring

14.5.4 The payment reduction of the value certified in the payment certificate shall be in terms of 31.8 (A) and 34.8

14.5.5 Where the employer has the right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the construction guarantee or may recover from the payment reduction or may be both

14.6 Where security as cash deposit of five per cent (5%) of the contract sum (excluding VAT) and payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:

14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date

14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor

14.6.3 The payment reduction of value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)

14.6.4 Where the employer has the right of recovery against the contractor in terms of 33.0 the employer may issue a written demand in terms of 33.4 or may recover from the payment reduction or may be both

14.7 Where security as payment reduction of ten per cent (10%) of the value certified in payment certificate (excluding VAT) has been selected:

14.7.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(B)

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14	<p>14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provision of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor</p> <p>14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement</p> <p>14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer in his sole discretion and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT) whereafter 14.7 shall be applicable</p> <p><u>EXECUTION</u></p> <p><u>A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS</u></p> <p>Clause 15.0</p> <p>Clause 15.1.1 is amended by replacing it with:</p> <p>No clause</p> <p>Clause 15.1.2 is amended by replacing it with:</p> <p>The security selected in terms of 14.0</p> <p>Clause 15.1 is amended by the addition of the following clause:</p> <p>15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date</p> <p>Clause 15.2.1 is amended by replacing it with the following clause: Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</p>	Item
	<u>A16.0 ACCESS TO THE WORKS</u>	
	15 Clause 16.0	Item
	<u>A17.0 CONTRACT INSTRUCTIONS</u>	
16	<p>Clause 17.0</p> <p>Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors"</p>	Item
	<u>A18.0 SETTING OUT OF THE WORKS</u>	
17	<p>Clause 18.0</p> <p><u>A19.0 ASSIGNMENT</u></p>	Item
	<u>A20.0 NOMINATED SUBCONTRACTORS</u>	
19	Clause 20.0	
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	Clause 20.1.3 is amended by replacing it with the following: No clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums	Item
	<u>A21.0 SELECTED SUBCONTRACTORS</u>	
20	Clause 21.0 Clause 21 is amended by replacing it with: No clause	Item
	<u>A22.0 EMPLOYER'S DIRECT CONTRACTORS</u>	
21	Clause 22.0	Item
	<u>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>	
22	Clause 23.0	Item
	<u>COMPLETION</u>	
	<u>A24.0 PRACTICAL COMPLETION</u>	
23	Clause 24.0	Item
	<u>A25.0 WORKS COMPLETION</u>	
24	Clause 25.0	Item
	<u>A26.0 FINAL COMPLETION</u>	
25	Clause 26.0 Clause 26.1.2 is amended by inserting "#" next to 26.1.2	Item
	<u>A27.0 LATENT DEFECTS LIABILITY PERIOD</u>	
26	Clause 27.0	Item
	<u>A28.0 SECTIONAL COMPLETION</u>	
27	Clause 28.0	Item
	<u>A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION</u>	
28	Clause 29.0 Clause 29.2.5 is amended by replacing it with: No clause	Item
	<u>A30.0 PENALTY FOR NON-COMPLETION</u>	
29	Clause 30.0	Item
	<u>PAYMENT</u>	
	<u>A31.0 INTERIM PAYMENT TO THE CONTRACTOR</u>	
30	Clause 31.0	
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Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

Clause 31.8 is amended by replacing it with the following two alternative clauses:

Alternative A

31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full.

The value certified shall be subject to the following percentage adjustments:

31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion

31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion

31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer.

In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate Alternative B

31.8(B) Where security as a payment reduction in terms of 14.7 has been selected, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full.

The value certified shall be subject to the following percentage adjustments

31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion

31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion

31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer.

In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate

Clause 31.12 is amended by deleting the following:

Payment shall be subject to the employer giving the contractor a tax invoice for the amount due

A32.0 ADJUSTMENT TO THE CONTRACT VALUE

31 Clause 32.0

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	<p>Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:</p> <p>"due to no fault of the contractor"</p> <p><u>A33.0 RECOVERY OF EXPENSE AND LOSS</u></p>	Item
32	<p>Clause 33.0</p> <p><u>A34.0 FINAL ACCOUNT AND FINAL PAYMENT</u></p>	Item
33	<p>Clause 34.0</p> <p>Clause 34.1 is amended by removing "#" next to 34.1</p> <p>Clause 34.2 is amended by removing "#" next to 34.2</p> <p>Clause 34.8 is amended by deleting the words "where security as a fixed construction guarantee in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"</p> <p>Clause 34.13 is amended by replacing "seven (7) calendar days" with "twenty-one (21) calendar days" and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"</p> <p><u>A35.0 PAYMENT TO OTHER PARTIES</u></p>	Item
34	<p>Clause 35.0</p> <p><u>CANCELLATION</u></p> <p><u>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u></p>	Item
35	<p>Clause 36.0</p> <p>Clause 36.1 is amended by the addition of the following clauses:</p> <p>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestered, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgment of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"</p> <p>Clause 36.0 is amended by the addition of the following clause:</p> <p>36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site.</p> <p>The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p><u>A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u></p>	Item
36	<p>Clause 37.0</p>	
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37	<p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site.</p> <p>The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p><u>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u></p>	Item
	<p>Clause 38.0</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p> <p>38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site.</p> <p>The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p><u>A39.0 CANCELLATION - CESSATION OF THE WORKS</u></p>	Item
	<p>Clause 39.0</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such a report"</p> <p><u>DISPUTE</u></p> <p><u>A40.0 DISPUTE SETTLEMENT</u></p>	Item
39	<p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs</p>	Item
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<u>SUBSTITUTE PROVISIONS</u>		
<u>A41.0 STATE CLAUSES</u>		
40	Clause 41.0	Item
<u>CONTRACT VARIABLES</u>		
<u>A42.0 THE SCHEDULE (DPW-04EC)</u>		
41	Clause 42.0	
	Tenderers are referred to the Contract Data for variables pertaining to this contract	Item
<u>SECTION B: JBCC PRELIMINARIES</u>		
<u>B1.0 DEFINITIONS AND INTERPRETATION</u>		
42	B1.1 Definitions and interpretation	
	See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section.	Item
<u>B2.0 DOCUMENTS</u>		
43	B2.1 Checking of documents	Item
44	B2.2 Provisional bills of quantities	Item
45	B2.3 Availability of construction documentation	Item
46	B2.4 Interests of agents	Item
47	B2.5 Priced documents	Item
48	B2.6 Tender submission	
	Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance "	Item
<u>B3.0 THE SITE</u>		
49	B3.1 Defined works area	Item
50	B3.2 Geotechnical investigation	Item
51	B3.3 Inspection of the site	Item
52	B3.4 Existing premises occupied	Item
53	B3.5 Previous work - dimensional accuracy	Item
54	B3.6 Previous work - defects	Item
55	B3.7 Services - known	Item
56	B3.8 Services - unknown	Item
57	B3.9 Protection of trees	Item
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58	B3.10 Articles of value	Item	
59	B3.11 Inspection of adjoining properties	Item	
	<u>B4.0 MANAGEMENT OF CONTRACT</u>		
60	B4.1 Management of works	Item	
61	B4.2 Programme for the works	Item	
62	B4.3 Progress meetings	Item	
63	B4.4 Technical meetings	Item	
64	B4.5 Labour and plant records	Item	
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>		
65	B5.1 Samples of materials	Item	
66	B5.2 Workmanship samples	Item	
67	B5.3 Shop drawings	Item	
68	B5.4 Compliance with manufacturers' instructions	Item	
	<u>TEMPORARY WORKS AND PLANT</u>		
69	B6.1 Deposits and fees	Item	
70	B6.2 Encloser of the works	Item	
71	B6.3 Advertising	Item	
72	B6.4 Plant, equipment, sheds and offices	Item	
73	B6.5 Main notice board	Item	
74	B6.6 Subcontractors' notice board	Item	
	<u>B7.0 TEMPORARY SERVICES</u>		
75	B7.1 Location	Item	
76	B7.2 Water	Item	
77	B7.3 Electricity	Item	
78	B7.4 Telecommunication facilities	Item	
79	B7.5 Ablution facilities	Item	
	<u>PRIME COST AMOUNTS</u>		
80	B8.1 Responsibility for prime cost amounts	Item	
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<u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
81	B9.1 General Attendance	Item
82	B9.2 Special Attendance	Item
83	B9.3 Commissioning - fuel, water and electricity	Item
<u>B10.0 FINANCIAL ASPECTS</u>		
84	B10.1 Statutory taxes, duties and levies	Item
85	B10.3 Adjustment of preliminaries Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities / lump sum document"	Item
86	B10.4 Payment certificate cash flow	Item
<u>B11.0 GENERAL</u>		
87	B11.1 Protection of the works	Item
88	B11.2 Protection/isolation of existing/sectionally occupied works	Item
89	B11.3 Security of the works	Item
90	B11.4 Notice before covering work	Item
91	B11.5 Disturbance	Item
92	B11.6 Environmental disturbance	Item
93	B11.7 Works cleaning and clearing	Item
94	B11.8 Vermin	Item
95	B11.9 Overhand work	Item
96	B11.11 As built information	Item
97	B11.12 Tenant installations	Item
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B1.0 DEFINITIONS AND INTERPRETATION

SCHEDULE OF VARIABLES

Schedule of variables:

- 98 This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries. Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets

12.1 PRE-TENDER INFORMATION

12.1.1 Provisional bills of quantities

[2.2] The quantities are provisional (Yes/No) = Yes

12.1.2 Availability of construction documentation

[2.3] Construction documentation is not complete (Yes/No) = Yes

12.1.3 Interests of agents

[2.4] Details:

12.1.4 Defined works area

[3.1] Details:

12.1.5 Geotechnical investigation

[3.2] Details = There is no investigation attached nor carried out on site

12.1.6 Existing premises occupied

[3.4] Specific requirements:

12.1.7 Previous work - dimensional accuracy

[3.5] Details:

The contractor is responsible for the accuracy and in the event that existing work done prior the site possession is inaccurate, the contractor is to inform the principal agent immediately

12.1.8 Previous work - defects

[3.6] Details:

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12.1.9 Services - known

[3.7] Details:

12.1.10 Protection of trees

[3.9] Specific requirements:

The contractor is to preserve all trees on site and is to request instruction from the Principal Agent where trees are constricting the work areas or progress of work.

12.1.11 Inspection of adjoining properties

[3.11] Specific requirements:

The contractor is to ensure that no harm comes to adjoining buildings or property during the progress of the works.

12.1.12 Enclosure of the works

[6.2] Specific requirements:

The contractor is to enclose the works in the manner necessary to prevent members of the public, the client's workers or any other persons from being hurt due to coming into areas where construction activities are under way.

12.1.13 Offices

[6.4.3] Specific requirements:

The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings.

The office shall be kept clean and fit for use at all times.

Defined works area

12.1.14 Main notice board

[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering

12.1.15 Subcontractors' notice board

[6.6] A Notice Board is required (Yes/No) = No

No Specific requirements: Not Applicable

12.1.16 Water [7.2]

Option A - by Contractor = Option A Applicable

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Option B - by employer (free of charge)
Option C - by employer (metered)
12.1.17 Electricity [7.3]
Option A - by Contractor = Option A Applicable
Option B - by employer = (free of charge)
Option C - by employer = (metered)
12.1.18 Telecommunications
[7.4] Telephone (Yes/No) = Yes
Facsimile (Yes/No) = No
12.1.19 Ablution facilities
[7.5] Option A (by contractor) (Yes/No) = Option A Applicable
Option B (by employer) (Yes/No) = No
12.1.20 Protection of existing/sectionally occupied works
[11.2] Protection is required (Yes/No) = Yes
12.1.21 Special attendance
[9.2] Subcontractor (1) details = Not applicable
12.1.22 Protection of the works
[11.1] Specific requirements:
All precautions are to be taken to prevent damage or harm to the works. The client is to be indemnified against any and all eventualities. The existing buildings are to be insured against damage by the employer. However the contractor is to take all necessary precautions to prevent damage to existing buildings and property whilst he is in possession of the site.
12.1.23 Disturbance
[11.5] Specific requirements:
The contractor shall keep the site, structures, etc. well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent
12.1.24 Environmental disturbance
[11.6] Specific requirements:
The contractor is to ensure that no environmental damage occurs on or over the site during the execution of the works and whilst he is in possession of the site. All precautions are to be taken to ensure that the water, soil, vegetation and air on and over the site are not contaminated whilst the contractor is in possession of the site.
12.2 POST-TENDER INFORMATION
12.2.1 Payment of preliminaries
[10.2] Option A (prorated) (Yes/No) = Yes
Option B (calculated) (Yes/No)

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12.2.2 Adjustment of preliminaries

[10.3] Option A (three categories) (Yes/No) = Yes

Option B (detailed breakdown) (Yes/No)

12.2.3 Additional agreed preliminaries items

Details:

SECTION C: SPECIFIC PRELIMINARIES

Section C: Specific Preliminaries:

Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

- 99 * The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent.
- 100 The document "Specification of Materials and Methods to be used (PW371-A) and (PW371-B)" is obtainable on the Department's website http://www.publicworks.gov.za/PDFs/consultants_docs/2013/2/PW371-A%20General%20Specification%20edition%202.0_July_2013.pdf and http://www.publicworks.gov.za/PDFs/consultants_docs/2013/2/PW371-B%20Particular%20Specification%20edition%202.0%20July2013.docx under "Consultants Guidelines), and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used
- 101 Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for
- 102 Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)

Item

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		Amount
103	The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes	Item
104	As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account	Item
105	As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer	Item
<u>C1 CONTRACT DRAWINGS</u>		
<u>C2 GENERAL PREAMBLES</u>		
<u>C3 TRADE NAMES</u>		
<u>C4 IMPORTED MATERIALS AND EQUIPMENT</u>		
<u>C5 VIEWING THE SITE IN SECURITY AREAS</u>		
<u>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</u>		
<u>C7 ENTRANCE PERMITS TO SECURITY AREAS</u>		
<u>C8 SECURITY CHECK OF PERSONNEL</u>		
<u>Details:</u>		
106	The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works	Item
107	In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959	Item
108	Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification	Item
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		Amount
109	Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification	Item
110	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification	Item
111	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification	Item
112	Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification	Item
113	<p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance.</p> <p>The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p>	Item
114	The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).	
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It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.

The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance.

The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.

Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained. Refer to the attached specification at the back of these bills of quantities

C9 PROHIBITION ON TAKING OF PHOTOGRAPHS

C10 HIV/AIDS AWARENESS

It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.

Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance.

The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

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		Amount
<u>C10.1 AWARENESS CHAMPION</u>		
<u>C10.2 AWARENESS WORKSHOPS</u>		
<u>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</u>		
<u>C10.4 ACCESS TO CONDOMS</u>		
<u>C10.5 MONITORING</u>		
<u>C11 OCCUPATIONAL HEALTH AND SAFETY ACT</u>		
<u>LOCAL LABOUR</u>		
<u>Local labour empowerment:</u>		
115	The contractor is to keep records of labour in terms of labour employed and submit labour records from a reliable payroll system that corresponds with the South African law governing labour records.	Item
116	Local labour fortnightly reporting: The Tenderer is to submit a monthly report on the template available from the Principal Agent at the site handover, which requires labour amounts spent and reported demographically, geographically and also values spent on local labour.	Item
<u>CARTING OF WATER FOR CONSTRUCTION</u>		
<u>Carting of water on site</u>		
117	The contractor is to make provision to cart water onto site as there maybe no sufficient water available on site.	Item
<u>PORTFOLIO OF EVIDENCE</u>		
<u>GPS Tagged photos:</u>		
118	The contractor shall use a camera with a function that adds GPS co-ordinates to the saved photos under the properties of the photo. If the photos are not showing the GPS co-ordinates matching those of the site address of this bid, then the photos cannot be used as evidence.	Item
<u>Proof of Depths of foundation excavations:</u>		
119	The contractor is to take and email to the Quantity Surveyor, GPS tagged photos of the: a) Excavation depths vs natural ground/ reduced level b) Top of footing vs natural ground/ reduced level c) Top of Surface bed vs natural ground/ reduced level Note: The above is to be taken at all external corners of the building, by means of a surveying staff.	Item
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Preliminaries		



		Amount
<u>ELECTRICAL INSTALLATION & OTHER SUBCONTRACTOR'S PRELIMINARIES</u>		
<u>Selected/Nominated/Domestic Subcontractors preliminaries and other indirect costs are to be priced herein under as there will be no compensation for extra preliminaries for the contractors subcontractors:</u>		
120	Fixed, Value and time related items	Item
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Preliminaries		

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PRELIMINARIES AND GENERAL

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SECTION SUMMARY



SECTION NO. 2

BUILDING WORK



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	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BUILDING WORK</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc. which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc., and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc.</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing</p>				
<p>Carried to Collection</p>			R	
<p>Section No. 2</p> <p>Bill No. 1</p> <p>Alterations</p>				



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[illegible]



Amount

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BUILDING WORK
BILL NO. 1
ALTERATIONS
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Section No. 2
Bill No. 1
Alterations



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORK</u>				
<u>BILL NO. 2</u>				
<u>EARTHWORKS</u>				
NOTE: The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Nature of ground</u>				
Trial holes indicate that the nature of the ground is silty clay to a depth of approximately 500mm with fine to medium loose sandy material below, therefore "earth"				
<u>Subterranean water</u>				
No subterranean water is expected				
<u>Excavation for working space in rock</u>				
Notwithstanding clause 11 page 8 of the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as "extra over" bulk excavation or trench and hole excavation as the case may be				
<u>Carting away of excavated material</u>				
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				
<u>Filling</u>				
Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material				
<u>SITE CLEARANCE</u>				
<u>Site clearance</u>				
1 Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc a	m ²	957		
Carried to Collection			R	
Section No. 2				
Bill No. 2				
Earthworks				



Unit	Quantity	Rate	Amount
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		Unit	Quantity	Rate	Amount
2	Stripping average 200mm thick layer of top soil and stockpiling on site <u>EXCAVATION, FILLING, ETC</u> <u>EXCAVATIONS, ETC</u> <u>Excavation in earth not exceeding 2m deep</u>	m ²	957		
3	Open face <u>Extra over trench and hole excavations in earth for excavation in</u>	m ³	1 590		
4	Soft rock	m ³	72		
5	Hard rock <u>Extra over all excavations for carting away</u>	m ³	48		
6	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by contractor <u>Risk of collapse of excavations</u>	m ³	1 707		
7	Sides of trench and hole excavations not exceeding 1,5m deep <u>Keeping excavations free of water</u>	m ²	1 573		
8	Keeping excavations free of all water other than subterranean water <u>FILLING ETC</u> <u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u>	Item			
9	Backfilling to trenches, holes, etc <u>Filling of natural gravel material G5 supplied by the contractor, compacted to 95% Mod AASHTO density</u>	m ³	103		
10	Under floors, steps, pavings, etc <u>Filling of natural gravel material G6 supplied by the contractor, compacted to 95% Mod AASHTO density</u>	m ³	1 650		
11	Under floors, steps, pavings, etc <u>Coarse river sand filling supplied by the contractor</u>	m ³	248		
12	Under floors etc	m ³	83		
Carried to Collection				R	
Section No. 2					
Bill No. 2					
Earthworks					



		Unit	Quantity	Rate	Amount
<u>Compaction of surfaces</u>					
13	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 93% Mod AASHTO density	m ²	1 656		
<u>SOIL POISONING</u>					
<u>Soil insecticide in accordance with SANS 5859</u>					
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m ²	1 656		
15	To bottoms and sides of trenches etc	m ²	2 055		
<u>TESTS</u>					
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>					
16	Modified AASHTO Density test	No	36		
17	Natural California Bearing Ratio test	No	36		
18	Field Density test, including 'Optimum Moisture Content' test (four readings per test)	No	36		
Carried to Collection					R
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Earthworks					



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BUILDING WORK
BILL NO. 2
EARTHWORKS
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Earthworks



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	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BUILDING WORK</u></p> <p><u>BILL NO. 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p>NOTE: The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before reuse</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself. Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described.</p> <p>Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described</p>				
Carried to Collection			R	
Section No. 2				
Bill No. 3				
Concrete, Formwork And Reinforcement				



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	Unit	Quantity	Rate	Amount
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>				
<u>30MPa/19mm concrete</u>				
1				
	m³	268		
2				
	m³	6		
<u>TEST BLOCKS</u>				
3				
	No	655		
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
4				
	m²	1 365		
<u>Finishing top surfaces of concrete smooth with a power float including tinted hardener or other equal approved</u>				
5				
	m²	582		
<u>MOVEMENT JOINTS ETC</u>				
<u>Expansion joints with 15mm bitumen impregnated softboard between vertical concrete and brick surfaces</u>				
6				
	m	1 573		
<u>Smooth formwork to sides</u>				
7				
	m²	77		
<u>REINFORCEMENT (PROVISIONAL)</u>				
<u>High tensile steel reinforcement to structural concrete work (Y)</u>				
8				
	Tonnes	131		
<u>Fabric reinforcement</u>				
9				
	m²	1 641		
			R	
Carried to Collection				
Section No. 2				
Bill No. 3				
Concrete, Formwork And Reinforcement				

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		Unit	Quantity	Rate	Amount
10	Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m ²	44		
Carried to Collection				R	
Section No. 2					
Bill No. 3					
Concrete, Formwork And Reinforcement					



Amount

SECTION NO. 2

BUILDING WORK

BILL NO. 3

CONCRETE, FORMWORK AND REINFORCEMENT

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Bill No. 3

Concrete, Formwork And Reinforcement



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	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BUILDING WORK</u></p> <p><u>BILL NO. 4</u></p> <p><u>MASONRY</u></p> <p>NOTE: The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p> <p><u>User note</u></p> <p>The following preamble generally applies for works in hot and humid coastal areas</p> <p><u>Bagged and sealed walls</u></p> <p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p>				
			R	
Carried to Collection				
Section No. 2 Bill No. 4 Masonry				



	Unit	Quantity	Rate	Amount
<u>BRICKWORK</u>				
<u>SUPERSTRUCTURE</u>				
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>				
1	Half brick walls	m ²	255	
2	Half brick walls in beamfilling	m ²	100	
3	One brick walls	m ²	479	
4	270mm Hollow walls of two half brick skins including wire ties	m ²	1 698	
<u>BRICKWORK SUNDRIES</u>				
<u>Bagging of 1:3 cement and sand mixture</u>				
5	On brick walls, piers, etc	m ²	138	
<u>2,5mm Brickwork reinforcement</u>				
6	75mm Wide reinforcement built in horizontally	m	1 502	
7	150mm Wide reinforcement built in horizontally	m	12 477	
<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>				
8	110 x 75mm Lintels in lengths not exceeding 3m	m	416	
<u>Galvanised hoop iron cramps, ties, etc</u>				
9	30 x 1,6mm Cramp 500mm long with one end fixed to timber and other end built int	No	1 327	
<u>FACE BRICKWORK</u>				
<u>Face bricks 'Bergendal Blend Satin' pointed with recessed horizontal and vertica</u>				
10	Piers	m ³	11	
11	Extra over brickwork for face brickwork	m ²	2 278	
12	Extra over brickwork for brick on header course bands one course high	m	164	
<u>Brick-on-edge header course copings, sills, etc of face bricks, pointed with flu</u>				
13	220mm Wide sills set sloping and slightly projecting	m	161	
<u>FIBRE-CEMENT WINDOW SILLS</u>				
<u>Natural grey sills in single lengths bedded in cement mortar including metal fix</u>				
14	150 x 15mm Wide sills set flat and slightly projecting	m	150	
Carried to Collection			R	
Section No. 2				
Bill No. 4				
Masonry				



Amount

SECTION NO. 2
BUILDING WORK
BILL NO. 4
MASONRY
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Masonry



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORK</u>				
<u>BILL NO. 5</u>				
<u>WATERPROOFING</u>				
NOTE: The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Waterproofing</u>				
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				
<u>DAMP-PROOFING OF WALLS AND FLOORS</u>				
<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type)</u>				
1	Under surface beds	m ²	1 681	
<u>One layer 375 micron embossed polyethylene damp-proof course (SANS 952-1985 type)</u>				
2	In walls	m ²	315	
<u>Two coats bitumen emulsion waterproof coating</u>				
3	On bagged brick walls	m ²	1 573	
<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker</u>				
4	8 x 10mm In expansion joints in floors including raking out expansion joint fill	m	1 573	
Carried To Section Summary			R	
Section No. 2				
Bill No. 5				
Waterproofing				



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORK</u>				
<u>BILL NO. 6</u>				
<u>ROOF COVERINGS</u>				
NOTE: The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
<u>0.8mm Z275 spelter galvanised IBR steel sheets in single lengths with 'chromadek</u>				
1	Roof covering with pitches not exceeding 25 degrees	m ²	1 795	
<u>0.8mm Z275 spelter galvanised IBR steel sheets accessories to preceding roof cov</u>				
2	Ridge capping 650mm girth	m	141	
3	Valley covering 600mm girth	m	16	
4	Narrow and broad flute closers 35mm girth	m	617	
<u>ROOF AND WALL INSULATION</u>				
5	Double sided reflective aluminium foil faced insulation barrier, with reflective	m ²	1 795	
6	30mm Flexible faced polyisocyanurate insulation boarding, laid over purlins (a	m ²	350	
Carried To Section Summary			R	
Section No. 2				
Bill No. 6				
Roof Coverings				



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	Unit	Quantity	Rate	Amount
<p><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Trusses are at maximum 900mm centres</u></p> <p><u>Roof coverings are on purlins</u></p> <p><u>Ceilings are plasterboard and fibre cement on 38 x 38mm branderling</u></p> <p><u>References given in descriptions refer to the respective types of trusses detailed on Architects/Engineers drawings</u></p> <p><u>References given in descriptions refer to the respective types of trusses detailed on Architects/Engineers drawings for tender purposes</u></p> <p><u>Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences</u></p> <p><u>Design Responsibility</u></p> <p><u>The contractor shall be responsible for the design of the timber roof construction. The contractor will submit shop drawings for approval to the engineer/architect within two weeks after the date of appointment. The contractor shall commence manufacturing only after written approval of shop drawings from the engineer / architect</u></p> <p><u>Timber roof construction</u></p> <p><u>The following is applicable in respect of prefabricated timber roof truss construction: Trusses are at maximum 1 500mm centres. Roof covering to be IBR (0.8mm) thick approved light industrial Z275 spelter "Chromadek" galvanised steel sheeting (by others). Gypsum plaster board and fibre cement ceilings and / or suspended ceilings will be installed below roof trusses (ceilings elsewhere measured) The dimensions in the descriptions of the roofs are scaled and are only a broad indication of the scope of the works. The contractor is required to obtain actual measurements from the Architect and/or the site before design or fabrication commences. Rates to include for complete roof structures including all fixing, hoisting, all rafter end splaying, wall plates, battens, edge battens, bracing, ridge rafters, valley rafters, etc</u></p> <p><u>Site inspection and liaison with main contractor</u></p>				
<p>Carried to Collection</p>			R	
<p>Section No. 2</p> <p>Bill No. 7</p> <p>Carpentry And Joinery</p>				



		Unit	Quantity	Rate	Amount
<u>The trusses subcontractor is advised to liaise with the main contractor on site and confirm all the dimensions prior to design, fabrication and installation of the timber roof structures</u>					
<u>Plate nailed timber roof truss construction</u>					
<u>Sawn softwood grade 6 S.A Pine</u>					
2	228 x 38mm Common rafters in lengths not exceeding 6.6m	m	30		
3	Roof construction to double pitched roof complete with two gable ends, 45,48 x 9.74m overall on plan and 1860mm high overall, including trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 600mm centres, etc., for roof sheeting. All as per roof drawings (Five Classroom + HOD)	No	2		
4	Roof construction to double pitched roof complete with two gable ends, 29.30 x 11.60m overall on plan and 1860mm high overall, including trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 600mm centres, etc., for roof sheeting. All as per roof drawings (Admin)	No	1		
5	Roof construction to double pitched roof complete with two gable ends, 31.10 x 15.57m overall on plan and 2200mm high overall, including trusses, jack rafters, permanent bracing and 50 x 75mm purlins at 600mm centres, etc., for roof sheeting. All as per roof drawings (ECD)	No	1		
<u>EAVES, VERGES, ETC</u>					
<u>Medium density plain fibre-cement fascias and barge boards</u>					
6	225 x 12mm Fascias and barge boards, including galvanised steel profile joiners	m	627		
<u>FLOORS AND SKIRTINGS</u>					
<u>SKIRTINGS</u>					
<u>Wrought meranti</u>					
7	76 x 16mm Bull nose skirting with and including 16mm meranti quadrant, nailed	m	12		
Carried to Collection				R	
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Carpentry And Joinery					



		Unit	Quantity	Rate	Amount
<u>DOORS ETC</u>					
<u>Wrought meranti doors hung to timber frames</u>					
8	44mm 'C.K.S.' Framed batten door 2032 x 813mm high of 150 x 44mm top rail and stiles, 150 x 16mm middle ledge and braces and 230 x 22mm bottom ledge filled in with 22mm V-jointed one side boarding filled in at the back with plywood veneer (D08 - Classrooms)	No	12		
9	44mm 'C.K.S.' Framed batten door 2032 x 813mm high of 150 x 44mm top rail and stiles, 150 x 16mm middle ledge and braces and 230 x 22mm bottom ledge filled in with 22mm V-jointed one side boarding filled in at the back with plywood veneer (D02/05 - ECD)	No	9		
10	44mm 'C.K.S.' Double-leaved framed batten door 1511 x 2032mm high of 150 x 44mm top rail and stiles, 150 x 22mm middle ledge and braces and 230 x 22mm bottom ledge filled in with 22mm V-jointed one side boarding filled in at the back with plywood veneer (D11 - Classrooms & D01 Nutrition)	No	2		
<u>40mm Semi-solid flush doors with 3,2mm plain hardboard covering on both sides and two concealed edges, hung to timber frames</u>					
11	Door 813 x 2032mm high (D03 - Admin)	No	3		
12	Door 936 x 2032mm high (D04 - disabled)	No	1		
13	Door 813 x 2032mm high (D06 - Nutrition Centre)	No	13		
14	40mm Door 813 x 2032mm high cut for louvre (D05)	No	6		
15	Extra over for 300 x 300mm framed opening for aluminium louvre unit (louvre unit)	No	2		
Carried to Collection				R	
Section No. 2					
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Carpentry And Joinery					



	Unit	Quantity	Rate	Amount
<u>FITTINGS</u>				
<u>CUPBOARDS TO KITCHENS, SHELVING, DESKS, ETC</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>General</u>				
<u>The following fittings are given as complete units i.e. the components of the units have not been given separately. Descriptions of such units shall, therefore, be deemed to include all components, assembling, housing, notching, glueing, blocking, planting-on and screwing with countersunk screws, edge strips, thermosetting plastic laminate, glass, ironmongery, metalwork, paint or varnish finishes, etc Prices are to include for all necessary filler pieces against walls etc</u>				
<u>References</u>				
<u>References given in descriptions refer to the respective types of fittings detailed on the architect's drawings accompanying these bills of quantities for tender purposes</u>				
<u>CLASSROOMS</u>				
16	HEDCOR INDUSTRIAL or Equally approved 1830 x 920mm Wide lockable steel cupboard with four adjustable shelves finished with epoxy paint	No	10	
<u>ADMINISTRATION BUILDING</u>				
<u>Kitchen cupboards with hinges, handles, 2mm brushed aluminium kick plate glued to 19mm thick marine ply timber base and telescopic drawer slides as per Architect's Drawings (A-Joinery Details-201A/B)</u>				
17	600 x 32mm Thick 'Formica Lifeseal' timber worktop modern square profile with tight radius and edging strip on sides complete including 30 x 30 x 2mm mild steel bracket, bolts, etc.	m	6	
18	30 x 30 x 870mm Long powder coated (black) mild steel square support post complete with and including fixing plates, bolts, etc., fixed in position to worktop	No	14	
19	Built-in cupboard 3460 x 2550mm high overall with sides, bottom, division, shelves, doors, framework, etc	No	1	
20	Floor cupboard 874 x 900mm high overall with sides, bottom, division, shelves, doors, framework, etc	No	1	
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		Unit	Quantity	Rate	Amount
21	Sink cupboard 879 x 900mm high overall with sides, bottom, division, shelves, drawers, doors, framework, etc	No	1		
22	Floor drawer cupboard 580 x 900mm high with, sides, bottom, including four drawers	No	1		
23	Floor open shelf cupboard 1245 x 900mm high with, sides, bottom, back, etc	No	1		
	<u>Shelving with SA Pine framing, shelves, side and back panels, etc., complete as per Architect's Drawings (A-Joinery Details-201A/B)</u>				
24	Shelving 3750mm long x 400mm wide x 1566mm high overall (Storeroom 2)	No	1		
25	Shelving 7960mm long x 400mm wide x 1566mm high overall (Storeroom 1)	No	1		
26	Shelving 8170mm long x 400mm wide x 1566mm high overall (Print room)	No	1		
27	Shelving 8200mm long x 400mm wide x 2166mm high overall (Clerk's Office)	No	1		
28	Shelving 11400mm long x 400mm wide x 2166mm high overall (Stationery Store)	No	1		
	<u>Shelving with baked enamel mild steel wall bands framing, SA pine shelves, etc.</u>				
29	Shelving 9200mm long x 400mm wide x 2166mm high overall from floor level with five shelves (Strongroom)	No	1		
	<u>GRADE R BUILDING</u>				
	<u>Kitchen cupboards with hinges, handles, 2mm brushed aluminium kick plate glued to 19mm thick marine ply timber base and telescopic drawer slides as per Architect's Drawing No.ECD-205</u>				
30	600 x 32mm Thick 'Formica Lifeseal' timber worktop modern square profile with tight radius and edging strip on sides complete including 30 x 30 x 2mm mild steel bracket, bolts, etc.	m	5		
31	Sink cupboard 1800 x 900mm high overall with sides, bottom, division, shelves, drawers, doors, framework, etc	No	1		
32	Floor drawer cupboard 1200 x 900mm high with, sides, bottom, including five drawers	No	4		
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Bill No. 7

Carpentry And Joinery



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORK</u>				
<u>BILL NO. 8</u>				
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>				
The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
<u>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</u>				
<u>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</u>				
<u>Ceilings</u>				
<u>Unless otherwise described ceilings shall be deemed to be horizontal</u>				
<u>Bulkheads</u>				
<u>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</u>				
<u>Steel components</u>				
<u>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</u>				
<u>NAILED-UP CEILINGS</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Openings</u>				
<u>Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc</u>				
<u>6.4mm Gypsum plaster board ceilings</u>				
1	Ceilings nailed on and including BPB Gypsum steel banding in one direction at 400mm centres with 36 x 6mm meranti cover strips on joints	m ²	1 091	
Carried to Collection			R	
Section No. 2				
Bill No. 8				
Ceilings Partitions And Access Flooring				



		Unit	Quantity	Rate	Amount
2	Extra over ceiling for 600 x 600mm Gypsum plaster board trap door	No	4		
	<u>6mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips</u>				
3	Ceilings laid in a staggered pattern including 38 x 38mm sawn softwood brandering at 300mm centres and cross brandering at 300mm centres	m ²	355		
4	Extra over ceiling for 600 x 600 x 0.6mm thick pressed steel trap door, hinged to open 180 degrees onto ceiling, in 25 x 25 x 3mm T-section steel frame	No	4		
	<u>Gypsum plasterboard cornices</u>				
5	75mm Coved cornices	m	625		
	<u>Fibre cement cornices</u>				
6	75mm Coved cornices	m	341		
	<u>Glass mineral wool cavitybatt insulation</u>				
7	405mm Insulation laid on top of brandering between roof timbers etc	m ²	1 795		
Carried to Collection					
Section No. 2					
Bill No. 8					
Ceilings Partitions And Access Flooring					
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SECTION NO. 2**BUILDING WORK****BILL NO. 8****CEILINGS PARTITIONS AND ACCESS FLOORING****COLLECTION**

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Ceilings Partitions And Access Flooring



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORK</u>				
<u>BILL NO. 9</u>				
<u>FLOOR COVERINGS</u>				
The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
<u>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</u>				
<u>FLOOR COVERINGS</u>				
<u>500 x 500mm needle punch carpet tiles fixed with carpet adhesive strictly according to manufacturer's specifications</u>				
1 On floors	m ²	9		
<u>2mm Thick fully flexible homogenous 'Polyflo Palletone' vinyl sheeting with welded joints laid in acrylic adhesive in strict accordance to manufacturer's instructions</u>				
2 On floors	m ²	1 446		
3 On treads and risers of stepped floors	m ²	3		
<u>Two coats high gloss Tuff-Floor Epoxy resin (Code: EP502)</u>				
4 On floors	m ²	20		
<u>POLISH, SEALERS, ETC</u>				
5 Two coats wax polish on vinyl flooring	m ²	1 446		
Carried To Section Summary			R	
Section No. 2				
Bill No. 9				
Floor Coverings				



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORK</u>				
<u>BILL NO. 10</u>				
<u>IRONMONGERY</u>				
The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items</u>				
<u>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered On request returnable samples are to be provided to the principal agent for consideration</u>				
<u>HINGES, BOLTS, ETC</u>				
<u>Solid</u>				
1	Nickel plated flush bolt with keep fixed to metal	No	2	
<u>Union</u>				
2	RADIUS CB-SC692-73SC Indicator bolt	No	9	
3	37651AS WC indicator bolt and keep	No	5	
<u>LOCKS</u>				
<u>Solid</u>				
4	76mm Four lever upright mortice lock (Code 313/A40)	No	22	
<u>Union</u>				
5	Three lever deadlock escutcheon (Code 32320-78)	No	1	
6	76mm Two lever upright mortice lock (Code 2295)	No	12	
7	L-2209-78PL Euro profile cylinder upright lock case	No	9	
Carried to Collection			R	
Section No. 2				
Bill No. 10				
Ironmongery				



	Unit	Quantity	Rate	Amount
<u>HANDLES</u>				
<u>Solid</u>				
8 WATERBOK Lever handle (Code 472/E41) on and including back plate with key hole (Code 710/E41) - PAIR	No	22		
9 GOWER Spring loaded lever handle (Code CZ682) - PAIR	No	12		
<u>Union</u>				
10 300mm Aluminium cranked pull handle	No	1		
11 CZ692-09SC Radius lever handle on back plate	No	3		
<u>PUSH PLATES AND KICK PLATES</u>				
<u>1.6mm Thick stainless steel plates countersunk screwed along edges at not exceeding 200mm centres</u>				
12 813 x 300mm Kick plate	No	3		
13 936 x 600mm Kick plate	No	1		
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>				
14 Pinning board 2100 x 900mm high comprising of 12mm thick softboard clad in felt material, finished with 25mm natural anodised aluminium frame, plugged to wall	No	12		
15 3600 x 1200mm Green faced magnetic receptive steel writing board plugged to plastered brick wall 800mm above finished floor level, finished with 25mm natural anodised aluminium frame and including slide-in aluminium chalk rail	No	12		
<u>BATHROOM FITTINGS</u>				
16 19mm Diameter chromium plated towel rail 400mm long including end brackets, plugged	No	6		
17 130 x 135 x 360mm Deep white powder coated lockable two roll holder, plugged	No	11		
18 115 x 270 x 110mm Deep stainless steel hand free soap dispenser, plugged	No	6		
19 350 x 365 x 230mm Deep stainless steel paper towel dispenser, plugged	No	6		
20 12 Litre stainless steel heavy duty pedal bin with removable plastic bucket	No	6		
Carried to Collection			R	
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Bill No. 10				
Ironmongery				



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		Unit	Quantity	Rate	Amount
21	32mm Stainless steel back grab rail 750mm long, plugged	No	4		
22	32mm Stainless steel dogleg side grab rail 900mm girth with centre flange, plugged	No	4		
<u>LETTERS, NAMEPLATES, ETC</u>					
<u>3mm Thick white Perspex panel fixed to door with stainless steel dome nuts</u>					
23	100 x 300mm with 30mm embossed black text (STRONG ROOM)	No	1		
24	60 x 30 x 2mm Perspex plate with engraved 20mm high black text or numerals	No	12		
25	152 x 152mm anodised aluminium plate with paraplegic symbol	No	1		
<u>PELMETS AND CURTAIN TRACKS</u>					
<u>National</u>					
26	Pressed steel pelmet 112mm high with 127mm projection including single curtain track with 12 rollers per metre, brackets, returned ends, etc. plugged	m	26		
<u>BATHROOM FITTINGS</u>					
<u>Halcast</u>					
27	Chromium plated lockable toilet roll holder plugged to walls screwed on 178 x 127 x 19mm hardwood block (Code 3665)	No	11		
<u>SUNDRIES</u>					
<u>Solid</u>					
28	38mm Diameter rubber door stop plugged	No	43		
				R	
Carried to Collection					
Section No. 2 Bill No. 10 Ironmongery					

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BUILDING WORK
BILL NO. 10
IRONMONGERY
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Bill No. 10
Ironmongery



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	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BUILDING WORK</u></p> <p><u>BILL NO. 11</u></p> <p><u>METALWORK</u></p> <p>The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors</p>				
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Metalwork				

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	Unit	Quantity	Rate	Amount
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</u>				
<u>Descriptions of bolts shall be deemed to include nuts and washers</u>				
<u>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</u>				
<u>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</u>				
<u>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</u>				
<u>Aluminium doors, windows, etc</u>				
<u>Doors and windows shall comply with AAAMSA design criteria. Glazing shall comply with SAGGA regulations. Glass shall be safety glass as shown on the window schedules/drawings appended to these bills of quantities. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings</u>				
<u>Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed</u>				
<u>For purpose made windows and doors, refer to drawings annexed to these bills of quantities</u>				
<u>The following certificates shall be provided prior to commencement of site work:</u>				
<u>A powder guarantee of not less than 15 years issued by the powder manufacturer</u>				
NOTE: All tenderers are referred to architect's drawings and details based on these bills of quantities for tender purposes				
<u>GALVANISED MILD STEEL GATES, SCREENS, ETC</u>				
1	Purpose-made single gate 1190 x 2021mm high of 50 x 25 x 2.5mm hollow section frame filled in with 12mm diameter mild steel bars placed at 100mm centres vertically and welded to frame and fitted with a pair of suitable hinges welded to post and with hasp and staple welded on (G02)	No	16	
Carried to Collection			R	
Section No. 2				
Bill No. 11				
Metalwork				



		Unit	Quantity	Rate	Amount
2	Purpose-made double gate overall size 1883 x 2021mm high with equal leaves 942 x 2021mm high of 50 x 25 x 2.5mm hollow section frame filled in with 12mm diameter mild steel bars placed at 100mm centres vertically and welded to frame and fitted with a pair of suitable hinges welded to post and with hasp and staple welded on (G01)	No	2		
	<u>PRESSED STEEL DOOR FRAMES</u>				
	<u>1.2mm Rebated frames suitable for half walls</u>				
3	Frame for door 813 x 1882mm high	No	10		
4	Frame for door 813 x 2032mm high	No	12		
5	Frame for door 813 x 2401mm high and fixed fanlight 273mm high with standard pressed steel glazing beads on one side of fanlight	No	3		
	<u>1.2mm Rebated frames suitable for one brick walls</u>				
6	Frame for door 813 x 2032mm high	No	5		
7	Frame for door 936 x 2032mm high	No	1		
	<u>1.2mm Double rebated frames suitable for 280mm cavity walls</u>				
8	Frame for door 813 x 2032mm high	No	14		
9	Frame for double door 1511 x 2032mm high	No	2		
	<u>STEEL WINDOWS, DOORS, ETC</u>				
	<u>Standard industrial windows</u>				
10	Window size 533 x 654mm high: Code E1 (W04)	No	14		
11	Window type B, 987 x 511mm high (W06) - Classrooms	No	30		
12	Window type A, 987 x 1445mm high (W05) - Classrooms	No	40		
13	Window size 1022 x 654mm high: Code E2 (W02)	No	5		
14	Window size 1302 x 2250mm high (W01) - ECD	No	8		
15	Window size 1511 x 1245mm high: Code G3C4 (W01)	No	9		
16	Window size 1616 x 511mm high (W02) - ECD	No	14		
	Carried to Collection			R	
	Section No. 2 Bill No. 11 Metalwork				
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		Unit	Quantity	Rate	Amount
<u>STEEL ROLLER SHUTTERS ETC</u>					
<u>WISPECO Roll-A-Door galvanised steel with chromadek coated finish fire rated roller shutters or other equal approved, with 76mm slats (18kg/m²) fixed to brickwork or concrete</u>					
17	Manual push-up slatted roller shutter for 1800 x 1220mm high opening (D08) - Hall	No	1		
18	Manual push-up slatted roller shutter for 900 x 1200mm high opening (D06 - ECD)	No	1		
<u>STEEL RECORDROOM AND STRONGROOM DOORS, VENTILATORS, ETC</u>					
<u>CHUBB' or Equally approved strongroom doors, etc., suitable for 220mm walls fixed to brickwork or concrete</u>					
19	Door and frame 1002 x 2000mm high overall with a mass of 245kg (D10)	No	1		
<u>ALUMINIUM WINDOWS, DOORS, ETC</u>					
<u>Powder coated top hung window units complete with subframes, ironmongery, 6.38mm clear laminated safety glass, sealing, etc and fixing to brickwork or concrete including factory fitted burglar bars, complete as per architect's drawings</u>					
20	Purpose made window, 5840 x 2070mm high (W04) - ECD	No	2		
<u>Powder coated aluminium doors glazed with 6.38mm laminated safety glass as per Architect door and window schedule, complete with subframes, ironmongery, sealing, etc. and plugged to brickwork or concrete</u>					
21	Purpose made double door, 1524 x 2100mm high (D07)	No	1		
22	Purpose made double door size 2760 x 2100mm high with side panel size 570 x 2100mm high on each side (D12)	No	1		
23	Purpose made double door size 3240 x 2100mm high with side panel size 810 x 2100mm high on each side (D12)	No	1		
<u>ALUMINIUM LOUVRE UNITS</u>					
<u>POWDER COATED LOUVRE UNITS</u>					
24	Purpose made louvre unit for 300 x 300mm high opening in timber door	No	2		
Carried to Collection				R	
Section No. 2					
Bill No. 11					
Metalwork					



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Metalwork



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	Unit	Quantity	Rate	Amount
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>GRANOLITHIC</u>				
<u>Method</u>				
<u>The method to be used shall be either the monolithic method or the bonded method</u>				
<u>Preparation</u>				
<u>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic</u>				
<u>Mix</u>				
<u>Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic</u>				
<u>Panels</u>				
<u>Granolithic shall be laid in panels not exceeding 14m² for monolithic finishes, not exceeding 9,5m² for bonded finishes and not exceeding 6m² for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width</u>				
<u>Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints</u>				
<u>Laying</u>				
<u>Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels</u>				
Carried to Collection				R
Section No. 2				
Bill No. 12				
Plastering				



	Unit	Quantity	Rate	Amount
<u>Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels</u>				
<u>After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated</u>				
<u>Curing, seasoning and protection</u>				
<u>Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying</u>				
<u>Colour</u>				
<u>Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour</u>				
<u>SELF LEVELLING SCREEDS</u>				
<u>8mm Thick Self Levelling Screeds applied in accordance with manufacturer's recommendations</u>				
1 On floors and landings	m ²	1 446		
<u>SCREEDS</u>				
<u>Screeds steel trowelled, on concrete</u>				
2 30mm Thick on floors and landings	m ²	1 446		
<u>GRANOLITHIC</u>				
<u>Polished granolithic, on concrete</u>				
3 30mm Thick on floors and landings	m ²	34		
<u>INTERNAL PLASTER</u>				
<u>Cement plaster steel trowelled, on brickwork</u>				
4 On walls	m ²	2 844		
5 On narrow widths	m ²	650		
<u>EXTERNAL PLASTER</u>				
<u>Cement plaster wood floated, on brickwork</u>				
6 On walls	m ²	99		
7 On narrow widths not exceeding 300mm wide	m ²	53		
Carried to Collection			R	
Section No. 2				
Bill No. 12				
Plastering				



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	Unit	Quantity	Rate	Amount
<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u> 8 15 x 10 x 1.6mm L-section brass dividing strips between differing floor finishes	m	14		
Carried to Collection			R	
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	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORK</u>				
<u>BILL NO. 13</u>				
<u>TILING</u>				
The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
<u>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</u>				
<u>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat</u>				
<u>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles</u>				
<u>WALL TILING</u>				
<u>Johnson 200 x 200 x 5mm White Glazed "A" Grade ceramic tiles fixed with adhesive to plaster (plaster elsewhere) and flush pointed with white waterproof antifungal grout</u>				
1	On walls in isolated panels, splashbacks, etc not exceeding 1m	m ²	13	
2	Fair exposed cutting and fitting around pipe not exceeding 100mm internal diameter	No	45	
3	Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm internal diameter	No	11	
Carried to Collection			R	
Section No. 2				
Bill No. 13				
Tiling				



	Unit	Quantity	Rate	Amount
<u>FLOOR TILING</u>				
<u>600 x 600 x 15mm Non-slip 'UNION' Porcelain tiles fixed with adhesive and flush pointed with tinted waterproof jointing compound</u>				
4 On floors and landings	m ²	164		
5 Fair exposed cutting and fitting around pipe not exceeding 100mm internal diameter	No	17		
6 Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm internal diameter	No	17		
Carried to Collection			R	
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Tiling				



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	Unit	Quantity	Rate	Amount
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Carried to Collection				
Section No. 2				
Bill No. 14				
Plumbing And Drainage				



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	Unit	Quantity	Rate	Amount
SUPPLEMENTARY PREAMBLES				
Copper pipes:				
<u>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</u>				
Lead pipes and traps				
<u>All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel</u>				
Reducing fittings				
<u>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</u>				
Wire gratings				
<u>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</u>				
Septic tanks				
<u>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</u>				
Exposed concrete surfaces				
<u>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</u>				
Excavations				
<u>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</u>				
<u>Soft rock and 'hard rock' shall be as defined in 'Earthworks'</u>				
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	Unit	Quantity	Rate	Amount
<u>Laying, backfilling, bedding, etc. of pipes</u>				
<u>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</u>				
<u>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS/SANS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS/SANS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS/SANS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</u>				
<u>Flush pans</u>				
<u>Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary</u>				
<u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u>				
<u>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</u>				
<u>RAINWATER DISPOSAL</u>				
<u>0.6mm Galvanised sheet iron</u>				
1	m	283		
2	No	14		
3	No	32		
4	No	22		
<u>PVC pipes</u>				
5	m	66		
<u>Extra over PVC pipes for fittings</u>				
6	No	26		
7	No	18		
<u>STORMWATER DRAINAGE</u>				
<u>Class 34 uPVC pipes with interlocking joints</u>				
8	m	26		
Carried to Collection			R	
Section No. 2				
Bill No. 14				
Plumbing And Drainage				



		Unit	Quantity	Rate	Amount
	<u>Sumps, catchpits, inspection chambers, etc including concrete kerbs or precast concrete cover slabs (gratings and covers elsewhere)</u>				
9	2220 x 2220mm Brick catchpit 1000mm deep internally	No	2		
	<u>Cast iron gratings, covers, etc</u>				
10	400 x 575mm x 44kg Stormwater grating and frame	No	2		
11	Lifting-key for manhole cover (handed to employer)	No	1		
	<u>SANITARY FITTINGS</u>				
	<u>Stainless steel</u>				
12	1200 x 535mm Drop-in sink with single 345 x 410mm end bowl on cupboard (cupboard elsewhere)	No	4		
	<u>Vaal</u>				
13	'Afsan' Low level close coupled 90 degrees vitreous china outlet wall hung open rim washdown pan and matching 'Hibiscus Elite Vandal Proof' 6 litre low level cistern complete with lid, fitments and flush pipe elbow and heavy duty white plastic toilet seat and cover (Code 7116LV)	No	5		
14	Vitreous China 'Junior' 104 degrees washdown pan (Code 751300) complete with lid and fitments including Junior Jazz seat (Code 8532Z000) and hibiscus 'Elite Vandal Proof' low level cistern	No	4		
15	Close coupled 90 degrees outlet wall hung open rim washdown pan (Code 750200) and matching 9 litre cistern (CCode 7116LP) complete with lid, fitments and flush pipe elbow and heavy duty A1 high traffic toilet seat cover for paraplegic, colour white (Disabled)	No	2		
16	600 x 385 x 380mm Vitreous china wall hung 'Lavatera' urinal with top inlet (Code 705426) with and including 38mm C.P. domical grating spreader and two hanger brackets	No	2		
17	455 x 290mm Vitreous china 'Bantam' basin with two semi-punched tapholes, integrated overflow and chainstay hole bolted to wall with two 10mm bolts, colour white	No	5		
18	510x 405mm Vitreous china 'Hibiscus' basin with three semi-punched tapholes, integrated overflow and chainstay hole through centre bolted to wall with two 10mm bolts, colour white	No	6		
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	Plumbing And Drainage				



		Unit	Quantity	Rate	Amount
<u>WASTE UNIONS ETC</u>					
19	32mm Basin waste union	No	11		
20	32mm Bottle trap	No	4		
21	38mm Bath or sink waste union	No	4		
22	38mm Chromium plated bottle trap	No	2		
<u>TRAPS ETC</u>					
<u>Flexitraps:</u>					
23	32 x 40mm Reseal 'P' or 'S' trap	No	11		
<u>TAPS, VALVES, ETC</u>					
<u>Cobra Watertech</u>					
24	15mm Star wall mounted chromium plated swan neck swivel sink mixer (Code CSS 115/044)	No	4		
25	15mm elbow action pillar tap (Code 503-21B)	No	2		
26	15mm Push button pillar tap with raised nose (Code KM2-102)	No	8		
27	Basin pillar tap no.111 with star chromium plated handle	No	8		
28	15mm chromium plated angle regulating valve and flexible connection pipe	No	26		
29	Chromium plated exposed type urinal flush valve (flush pipe elsewhere)	No	2		
<u>SANITARY PLUMBING</u>					
<u>PVC-U Soil and vent pipes</u>					
30	50mm pipe	m	43		
31	110mm Pipes	m	28		
32	110mm Pipes laid in and including trenches not exceeding 1m deep	m	65		
<u>Extra over PVC-U soil and vent pipes for fittings</u>					
33	50mm Bend	No	79		
34	50mm Junction	No	15		
35	50mm Access bend	No	17		
36	110 x 50mm Reducing junction	No	15		
37	110mm Bend	No	22		
38	110mm Pan connector	No	11		
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<u>BUILDING WORK</u>				
<u>BILL NO. 15</u>				
<u>GLAZING</u>				
The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
 <u>SUPPLEMENTARY PREAMBLES</u>				
<u>Float glass</u>				
<u>The term 'float glass' is used for monolithic annealed glass</u>				
<u>Laminated glass</u>				
<u>Laminated glass to have polyvinyl butyral (PVB) interlayer(s)</u>				
<u>GLAZING TO STEEL WITH PUTTY</u>				
<u>6mm Clear float safety glass</u>				
1	Panes exceeding 0,5m ² and not exceeding 2m	m ²	144	
<u>6mm Obscure glass</u>				
2	Panes exceeding 0,5m ² and not exceeding 2m	m ²	5	
<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>				
<u>6mm Silvered float glass copper backed mirrors with 1mm bevelled and polished edges, holed for and fixed with chromium plated dome headed mirror screws with rubber buffers to plugs in brickwork or concrete</u>				
3	Mirror 600 x 450mm high	No	6	
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Bill No. 15				
Glazing				



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORK</u>				
<u>BILL NO. 16</u>				
<u>PAINTWORK</u>				
The use of trade names simply serves to indicate a standard acceptable to the Principal Agent. Any other brand may be used with prior written approval of the Principal Agent				
NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors				
<u>PREPARATORY WORK TO EXISTING WORK</u>				
<u>Previously painted plastered surfaces</u>				
<u>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</u>				
<u>Previously painted metal surfaces</u>				
<u>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</u>				
<u>Previously painted wood surfaces</u>				
<u>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</u>				
<u>PAINTWORK ETC TO NEW WORK</u>				
<u>ON FLOATED PLASTER</u>				
<u>Prepare, apply one coat "Plascon Plaster Primer UC65" and apply two coats "Plascon Double Velvet VEL"non-drip polyurethane enamel paint</u>				
1	On internal walls	m ²	2 044	
<u>Prepare, apply one coat "Plascon Plaster Primer UC65" and apply two coats "Plascon Micatex" paint</u>				
2	On external walls	m ²	221	
Carried to Collection			R	
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Bill No. 16				
Paintwork				



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SECTION NO. 3

EXTERNAL WORKS



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	Unit	Quantity	Rate	Amount
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Preambles</u>				
<u>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</u>				
<u>Proprietary Products In Descriptions</u>				
<u>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</u>				
<u>Nature Of Material To Be Excavated</u>				
<u>The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock"</u>				
<u>Carting Away Of Excavated Material</u>				
<u>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</u>				
<u>Density Testing On Filling</u>				
<u>Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally</u>				
<u>Formwork</u>				
<u>Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"</u>				
<u>THE FOLLOWING IN SANDPITS</u>				
<u>Excavations Etc</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
1 Trenches	m ³	2		
Carried to Collection			R	
Section No. 3				
Bill No. 1				
External Works				



	Unit	Quantity	Rate	Amount
<u>Extra over all excavations for carting away</u>				
2 Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	2		
<u>Risk of collapse of excavations</u>				
3 Sides of trench and hole excavations not exceeding 1,5m deep	m ²	6		
<u>Sand supplied by the Contractor</u>				
4 300mm Deep Sandpit in sandpit and edging to sides	m ²	8		
<u>Keeping excavations free of water</u>				
5 Keeping excavations free of all water other than subterranean water	Item			
<u>Soil insecticide in accordance with SANS 5859</u>				
6 To bottoms and sides of trenches etc	m ²	12		
<u>Unreinforced concrete cast against excavated surfaces</u>				
<u>25MPa/19mm concrete</u>				
7 Strip footings and bases	m ³	2		
<u>Test blocks</u>				
8 Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2		
<u>Superstructure brickwork</u>				
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>				
9 One brick walls	m ²	4		
<u>2,5mm Brickwork reinforcement</u>				
10 150mm Wide reinforcement built in horizontally	m	45		
<u>Plastering</u>				
<u>12mm Thick Cement plaster steel trowelled, on brickwork</u>				
11 On walls	m ²	8		
<u>Paintwork</u>				
<u>One coat alkali resistant primer, one coat universal undercoat and two coats PVA acrylic emulsion paint for exterior use</u>				
12 Walls	m ²	8		
Carried to Collection			R	
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External Works				



		Unit	Quantity	Rate	Amount
<u>THE FOLLOWING IN APRONS</u>					
<u>Excavations Etc</u>					
<u>Open face excavation in earth over sloping site</u>					
13	Open face excavation to form platforms under parking areas etc and depositing excavated material over site	m ³	65		
<u>Extra over bulk excavation in earth for excavation in</u>					
14	Soft rock	m ³	7		
15	Hard rock	m ³	4		
<u>Excavation in earth not exceeding 2m deep</u>					
16	Thickening under surface beds etc	m ³	14		
<u>Extra over all excavations for carting away</u>					
17	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m ³	65		
<u>Keeping excavations free of water</u>					
18	Keeping excavations free of water other than subterranean water	Item			
<u>Compaction of surfaces</u>					
19	Compaction of surfaces etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m ²	430		
<u>Reinforced concrete cast against excavated</u>					
<u>25MPa/19mm concrete</u>					
20	Aprons cast in panels on waterproofing	m ³	79		
<u>Rough formwork to sides</u>					
21	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	159		
<u>Saw-cut joints</u>					
22	8 x 50mm Saw-cut joints in top of concrete	m	132		
<u>Fabric reinforcement</u>					
23	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m ²	430		
Carried to Collection				R	
Section No. 3					
Bill No. 1					
External Works					



	Unit	Quantity	Rate	Amount
<u>Waterproofing</u>				
<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
24	Under aprons	m ²	430	
<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>				
25	8 x 10mm In expansion joints in floors including raking out expansion joint fill	m	159	
<u>THE FOLLOWING IN PARKING AND WALKWAYS</u>				
<u>Keeping excavations free of water</u>				
26	Keeping excavations free of water other than subterranean water	Item		
<u>Earth filling supplied by the contractor under parking areas, roadways, etc</u>				
27	Base course of G5 material in accordance with SABS 1200 ME, stabilised to attain UCS>1,0 MPa after seven days and compacted to 95% Mod AASHTO density	m ³	20	
<u>Compaction of surfaces</u>				
28	Compaction of ground surfaces under pavings etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m ²	65	
<u>Soil insecticide in accordance with SANS 5859</u>				
29	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m ²	65	
<u>Prescribed density tests on filling</u>				
30	Modified AASHTO Density test	No	26	
<u>60mm Thick 35MPa precast concrete interlocking block paving of 106 x 222mm autumn colour paving blocks in accordance with SANS 1058, laid to falls on and including 25mm thick sand layer with joints filled in with sand, compacted with a vibration compactor</u>				
31	Paving to sidewalks etc to falls	m ²	65	
			R	
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Section No. 3				
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External Works				

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EXTERNAL WORKS

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SECTION NO. 3

EXTERNAL WORKS

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EXTERNAL WORKS

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SECTION NO. 4

ELECTRICAL INSTALLATIONS[PROVISIONAL]



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>ELECTRICAL INSTALLATIONS[PROVISIONAL]</u>				
<u>BILL NO. 1</u>				
<u>PRELIMINARIES AND GENERAL</u>				
<u>OBLIGATIONS</u>				
<u>Compliance with conditions</u>				
1				
Nett price for compliance with condition of contract and various specifications which are not specifically covered elsewhere or by unit rates (including all risks insurance)	Lump Sum			
<u>SPECIAL PRELIMINARY AND GENERAL CONDITIONS PERTAINING TO THIS CONTRACT</u>				
2				
Site establishment. Allow additional for electrical site, all associated services and for storage plant, materials and equipment including protection thereof	Lump Sum			
3				
Transport. Provide and arrange transport of all electrical material and equipment to site as well as workmen and staff	Lump Sum			
4				
Commissioning and Testing. Supply all test equipment and labour for testing, commissioning and adjustments of all portions of electrical installation, as well as attendance for any inspection and test that the Representative/Agent may call for, including the issuing of the certificate of compliance (COC) by electrician	Lump Sum			
5				
As built drawings. Provide a hardcopy marked up drawing (marked in red by hand) showing all the changes to the electrical installation from the drawing for a standard facility	Lump Sum			
6				
All notices and safety equipment as required by law	Lump Sum			
Carried To Section Summary			R	
Section No. 4				
Bill No. 1				
Preliminaries And General				



	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>ELECTRICAL INSTALLATIONS[PROVISIONAL]</u>				
<u>BILL NO. 2</u>				
<u>DISTRIBUTION BOARDS, KIOSKS ETC</u>				
<u>DISTRIBUTION BOARDS,KIOSKS ETC</u>				
<u>BOUNDARY METERING KIOSK</u>				
1 Supply and install free standing painted steel panel metering kiosk complete with doors, sub-frames, chasis, fixtures, fitting, terminations, busbars and wiring, danger signs and plinth with spare space as per specification. Material and labour excluding the items listed hereunder.	No	1		
<u>Moulded case circuit breakers</u>				
2 2 Ampere P.T. fuses	No	3		
3 200 Ampere T.P. 10 kKa	No	1		
<u>Lightning Arrestors</u>				
4 Domestic S.P. 10 kA	No	4		
<u>Locks</u>				
5 Padlocks as specified	No	1		
<u>TELEPHONE DISTRIBUTION BOARD</u>				
6 Flush mounted telephone distribution board size 450 x 450 x 180mm flush mounted complete with doors, frames, sub-frames, fixtures and 20mm thick soft board	No	3		
<u>Switchgear:</u>				
7 Supply and installation of flush wall mounted distribution boards as per the drawings and specifications, complete with all relevant busbars, accessories, etc. and switchgear fitted, connected, tested and commissioned. there shall be an A4 legend card riveted into the distribution board	No	3		
<u>Circuit breakers:</u>				
8 30 Ampere T.P. 5 kA	No	2		
9 10 Ampere S.P. 5 kA	No	19		
10 20 Ampere S.P. 5 kA	No	15		
11 40 Ampere S.P. 10 kA	No	7		
12 60 Ampere T.P. 10 kA	No	9		
13 20A Modular contactor AC operated	No	2		
Carried to Collection			R	
Section No. 4				
Bill No. 2				
Distribution Boards, Kiosks Etc				

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ELECTRICAL INSTALLATIONS[PROVISIONAL]

BILL NO. 2

DISTRIBUTION BOARDS, KIOSKS ETC

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Bill No. 2

Distribution Boards, Kiosks Etc



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<u>ELECTRICAL INSTALLATIONS[PROVISIONAL]</u>				
<u>BILL NO. 3</u>				
<u>LUMINAIRES</u>				
<u>LUMINAIRES</u>				
<u>Supply and install the following light luminaires complete with fittings, lamps and all the required accessories. Contractor to provide samples of each for approval before order</u>				
1 Type A - 2x54W 1500mm Open channel fluorescent fittings complete with electronic ballast.	No	45		
2 Type B - 1x54W 1500mm Open channel fluorescent fittings complete with electronic ballast.	No	5		
3 Type C - 1xPL 18W Ceiling mounted luminaire complete with polycarbonate diffuser.	No	23		
4 Type D - 10W LED bulked light fitting complete with electronic ballast.	No	14		
5 Type M: 9W PL compact fluorescent bulkhead light fitting above safe door	No	1		
<u>LIGHT SWITCHES, SOCKET OUTLETS, ETC</u>				
6 16A 230V 3-pin double switched socket outlet, flush wall mounted in a 100 x 100 x 50mm wall boxes, complete with steel cover plate	No	65		
7 Supply and install 20A single phase isolator for water heaters, 230V grade with steel cover and neon indicator. Isolator to be installed in zinc coated pressed steel wall. Water heater supplied and installed by others	No	21		
8 Skirting switched socket outlet, 15A 3-pin.	No	10		
<u>Light switches, etc.</u>				
<u>Supply and install 16A 230V light switches(Legrand or equivalent), complete with cover plates to be installed in 100 x 50 x 50mm wall boxes</u>				
9 One lever one way light switch (16A)	No	50		
10 Two lever one way light switch (16A)	No	4		
11 One lever two way light switch (16A)	No	2		
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Luminaires				



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Luminaires



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<u>ELECTRICAL INSTALLATIONS[PROVISIONAL]</u>					
<u>BILL NO. 4</u>					
<u>CONDUITS ETC</u>					
<u>CONDUITS ETC</u>					
<u>Supply and install SABS approved PVC conduit complete with bends, joints, adaptors, couplings, saddles, cutting, etc. cast in concrete, built or chased into brickwork or surface mounted to any surface.</u>					
1	20mm Diameter	m	1 475		
2	25mm Diameter	m	1 150		
3	32mm Diameter	m	430		
<u>Galvanized steel conduit conduit complete with bends, joints, adaptors, couplings, saddles, cutting, etc. cast in concrete, built or chased into brickwork or surface mounted to any surface.</u>					
4	20mm Diameter	m	225		
5	25mm Diameter	m	225		
<u>POWER SKIRTING</u>					
<u>2- compartment galvanised steel power skirting, complete with steel cover, bolts, nuts, washers, coupling pieces, duct dividers, earthing, etc.</u>					
6	Power skirting, 2 - compartment 2 cover type, including steel cover, coupling pieces, earthing, bolts, nuts and washers etc	m	40		
7	90 degree bend	No	4		
8	End cap	No	6		
<u>CONDUIT BOXES</u>					
<u>Supply and install surface or flush mounted galvanized conduit boxes including fixing to conduit with necessary locknuts, adaptors, bushes, etc.</u>					
9	100 x 100 x 50mm Outlet box	No	88		
10	100 x 50 x 50mm Outlet box	No	65		
11	60mm Round outlet box	No	205		
12	60mm Diameter cover plate	No	95		
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Conduits Etc					

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Conduits Etc



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<u>ELECTRICAL INSTALLATIONS[PROVISIONAL]</u>				
<u>BILL NO. 5</u>				
<u>CABLES</u>				
<u>CABLES</u>				
<u>Supply and install PVC stranded insulated copper conductor green/yellow PVC insulated stranded copper conductor earth conductor PVC stranded bare copper conductor, galvanised draw wire, all drawn into wire ways (ducting, conduit etc.)</u>				
<u>PVC stranded insulated copper conductor</u>				
1 6mm ² Cu PVC insulated	m	1 050		
2 4mm ² Cu PVC insulated	m	16 450		
3 2.5mm ² Cu PVC insulated	m	17 500		
4 1.5mm ² Cu PVC insulated	m			RATE ONLY
<u>EARTH CONDUCTORS</u>				
<u>Bare copper earth conductors laid with cable in trenches or sleeve pipes and bonded to cables with plastic strapping at 2m centres</u>				
5 4mm ²	m	8 525		
6 2.5mm ²	m	8 250		
<u>CABLE TRENCHES</u>				
<u>Cable Trenches</u>				
7 Excavation in earth not exceeding 2m deep for cable trenches including risk of collapse of excavations, keeping excavations free from water, setting aside excavated material and later refilling of trenches	m ³	60		
8 Extra over trench excavations in earth for excavation in soft rock	m ³	6		
9 Extra over trench excavations in earth for excavation in hard rock	m ³	3		
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Cables				



	Unit	Quantity	Rate	Amount
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<u>ELECTRICAL INSTALLATIONS[PROVISIONAL]</u>				
<u>BILL NO. 6</u>				
<u>LIGHTNING PROTECTION</u>				
<u>CONDUITS ETC</u>				
<u>Galvanised steel conduits</u>				
1	20mm Diameter	m	120	
<u>CONDUCTORS</u>				
<u>Bare Aluminium conductors drawn into conduit</u>				
2	16mm ²	m	141	
<u>PVC insulated stranded copper conductors drawn into conduit, trunking or power skirting</u>				
3	16mm ²	m	142	
<u>Rods</u>				
4	12mm diameter rod 1.2m long	No	16	
<u>SUNDRIES</u>				
<u>Sundries</u>				
5	Bond aluminium conductors to down conductors	Item		
6	Bond down conductors to earth rods	Item		
7	Testing and commissioning the complete electrical installation, all in the presence of the Engineer and certify the results on the 'Certificate of Compliance' by an accredited person registered in terms of the act applicable to the 'Professional Electrical Engineer'	Item		
8	Other, please specify:	Item		
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Bill No. 6				
Lightning Protection				



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5	CABLES
6	LIGHTNING PROTECTION

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SECTION SUMMARY



SECTION NO. 5

PROVISIONAL SUMS



Amount

SECTION NO. 5**PROVISIONAL SUMS**

Tenderers are referred to the definition of attendance on n/s sub-contractors given in Clause B9 of the JBCC Preliminaries

Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted.

Schedule the times of availability of the hoisting equipment for each Sub-Contractor.

Provide all necessary personnel to operate the hoisting equipment, all to enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor

Under no circumstances may any Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill

The Contractor must read each description throughout this bills of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities No claim arising from brevity of description of items fully described in the said Model Preambles for Trades or Supplementary Preambles to Model Preambles will be granted All provisional sums cover supply of material and equipment and installation. provisional sums are nett and do not include builder's discount (excluding settlement discount) and Value Added Tax but the Tenderer may allow under "Profit" items any profit he considers necessary

Furniture

- 1 Provide the amount of R 422 000.00 (Four Hundred and Twenty Two Thousand Rand) for Furniture
- 2 Profit
- 3 Allow for general attendance

Item

Item

Item

Skills Development Programme

- 4 Provide the amount of R 180 000.00 (One Hundred and Eighty Thousand Rand) for Skills Development Programme
- 5 Profit
- 6 Allow for general attendance

Item

Item

Item

Community Liaison Officer

- 7 Provide the amount of R 65 000.00 (SixtyFive Thousand Rands) for Community Liaison Officer
- 8 Profit

Item

Item

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Bill No. 1

Provisional Sums



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Item

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SECTION SUMMARY



SECTION NO. 6

BUDGETARY ALLOWANCES



Amount

SECTION NO. 6**BUDGETARY ALLOWANCES****SUPPLEMENTARY PREAMBLES****General**

Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances

CONTINGENCY (THIS SECTION IS NOT PART ON BIDDERS DOCUMENT)**Contingency**

- 1 Allow a contingency amount of R 500 000.00 (Five hundred thousand Rand) to be directed by the Director

Item

500 000 00

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Bill No. 2

Provisional Sums



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BUDGETARY ALLOWANCES

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6 BUDGETARY ALLOWANCES

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SubTotal excluding Value Added Tax

ADD VAT @ 15%:

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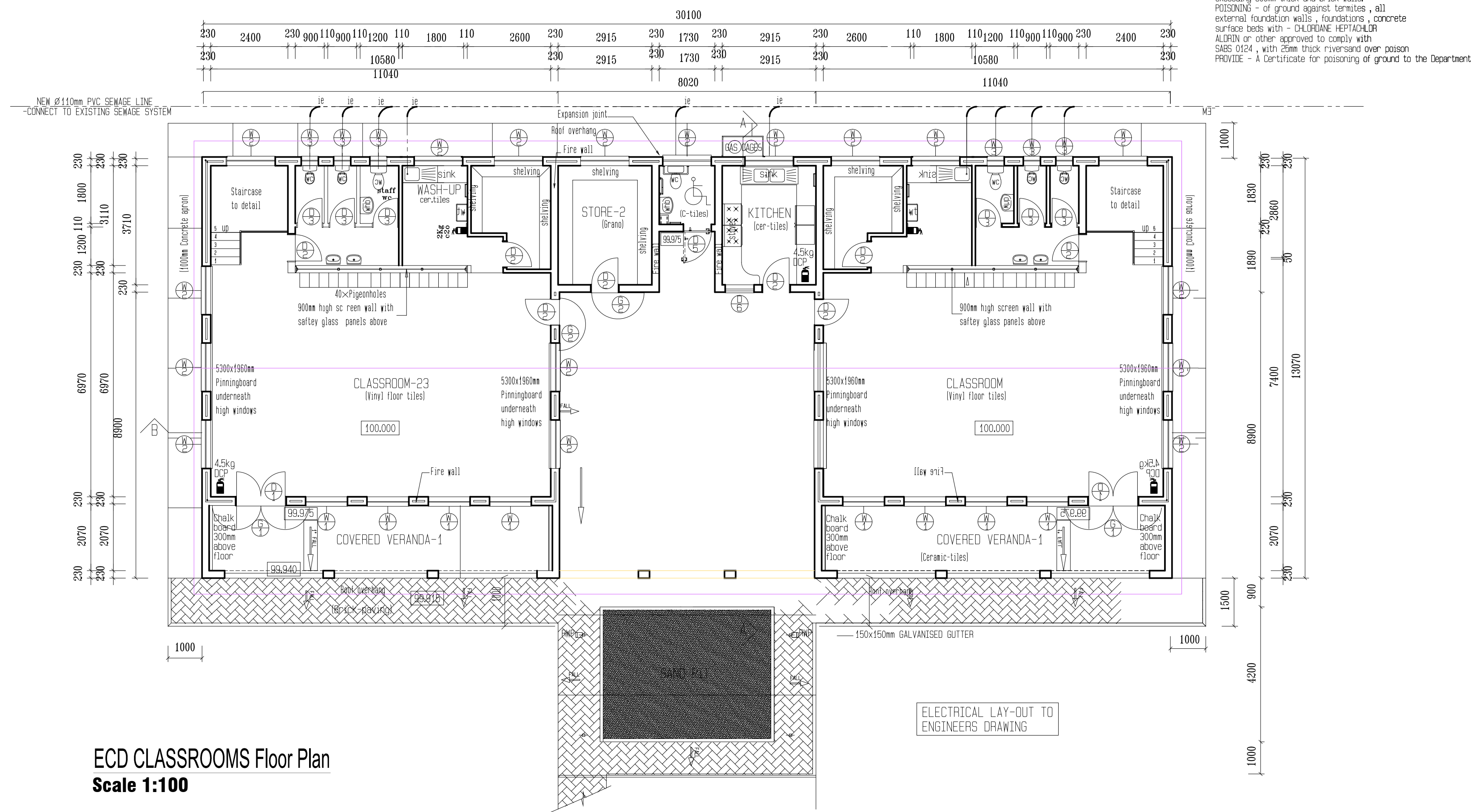
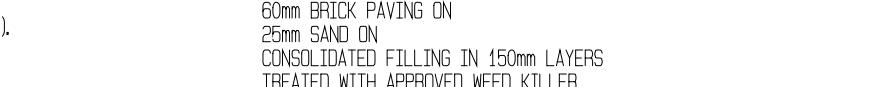
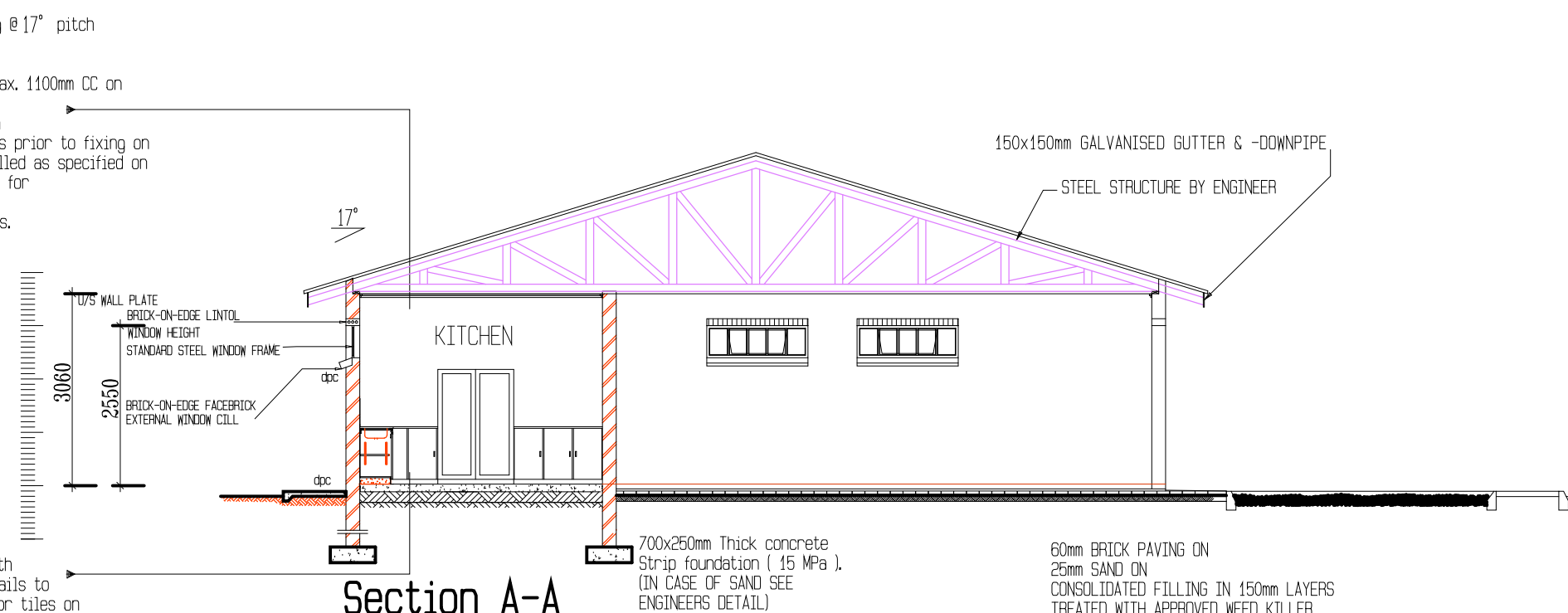
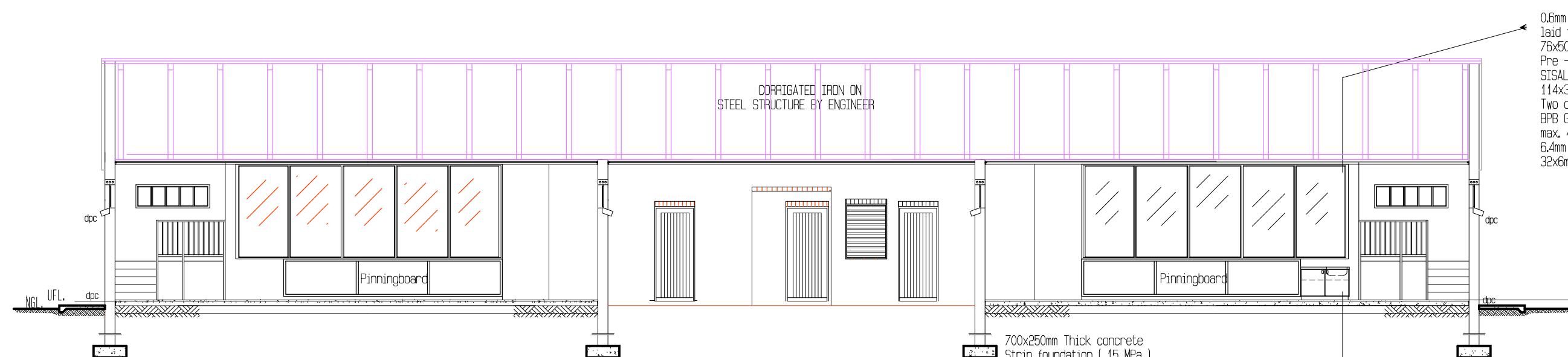
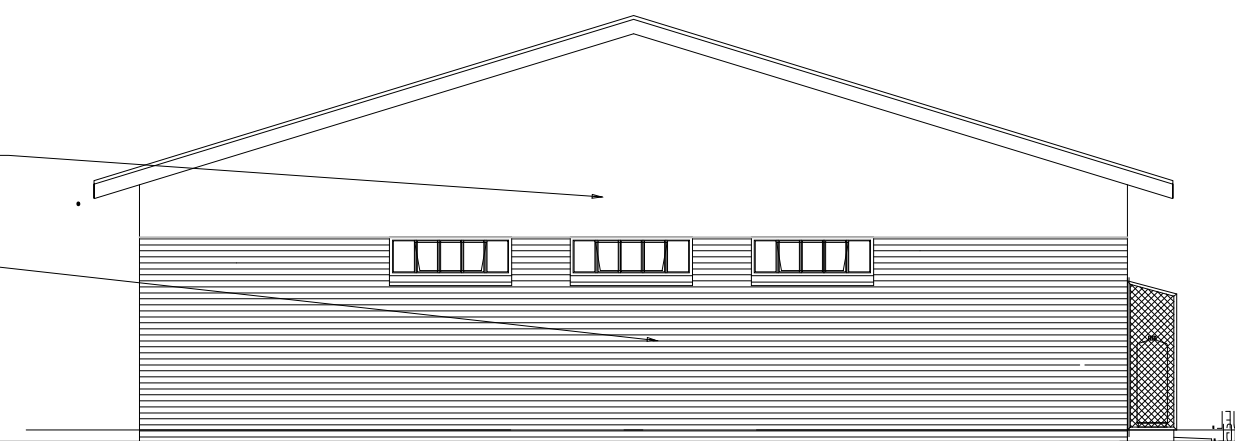
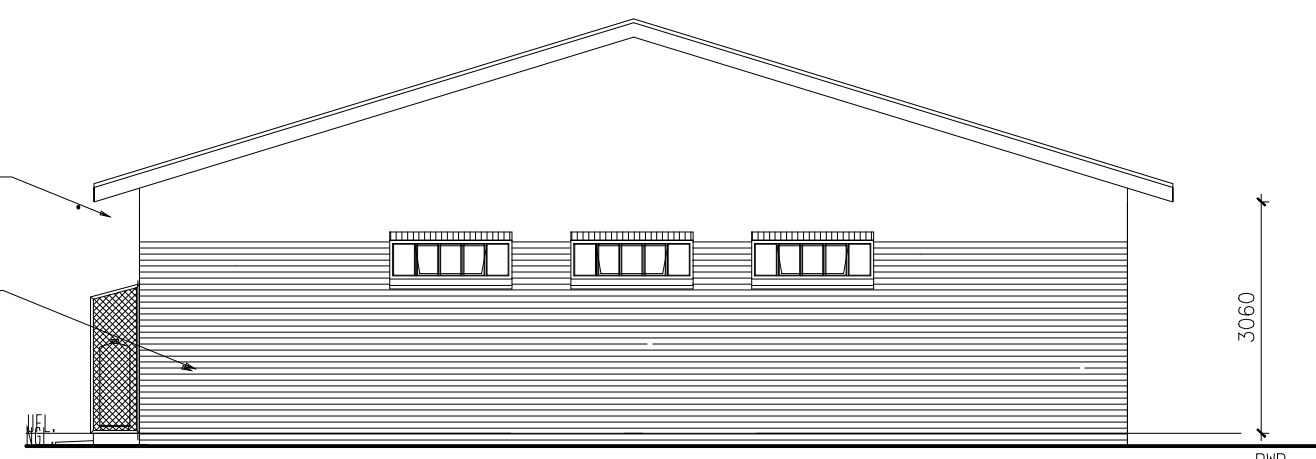
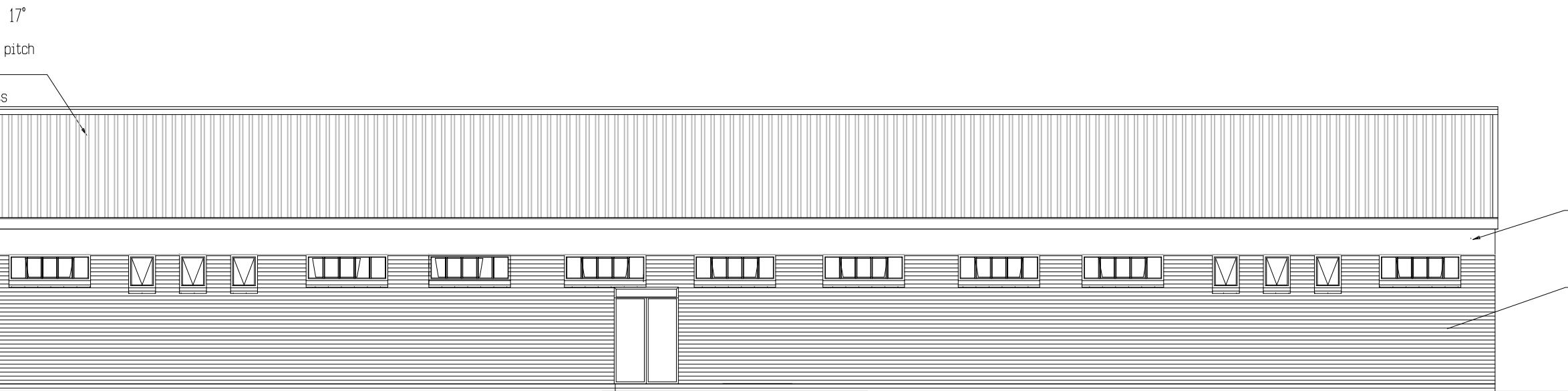
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ECD CLASSROOMS Floor Plan
Scale 1:100

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Number	REVISION
Drawn by	
Date	
RO	XXXXXXXXXX
Malerato	
XX/XX/04	

NOTES:

CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm o WIRE
BUILT INTO WALLS.
TIE BEAMS 152mmx38mm, RAFTERS 114mmx38mm,
76mmx38mm WALL PLATES.
6mm GYPSUM BOARD CEILINGS
100mm GUTTER 76mm o DOWNPIPES.
READ DIMENSIONS IN PREFERENCE
TO SCALING

ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS

DRAINAGE NOTES:
SOIL DRAIN 100 o P.V.C.
WASTEPIPES 38 & 52mm o P.V.C.
VENTPIPES 100mm o P.V.C.
IE's AT EVERY BENT AND CHANGE
OF DIRECTION

SEWER PIPE UNDER BUILDING TO BE
ENCASED WITH 100mm THICK CONCRETE

GLASS IN WINDOWS:
0-0,75 m 3mm
0,75 m -1,5 m 4mm
1,5 m -2,25 m 5mm
2,25 m -3 m 6mm

SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
 SKUIFDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

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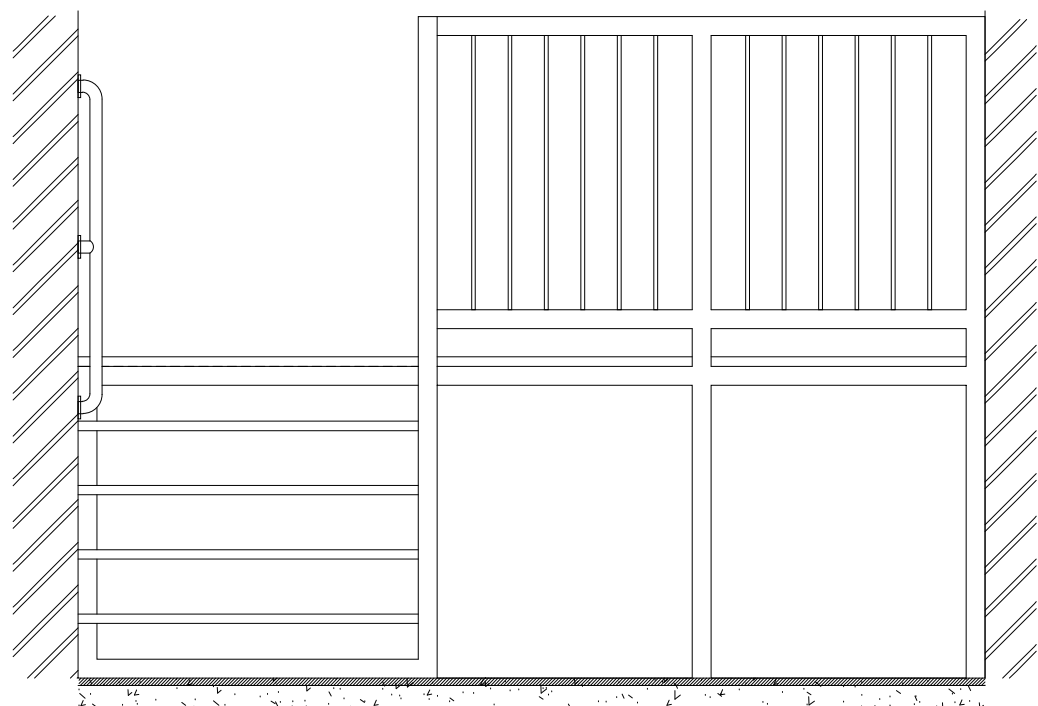
KIMBERLEY
42 PETRUS STREET
HILLCREST / 8301
Tel: 082 414 6824
Fax: 086 6847 441
kaho@mweb.co.za

kaho@mweb.co.za

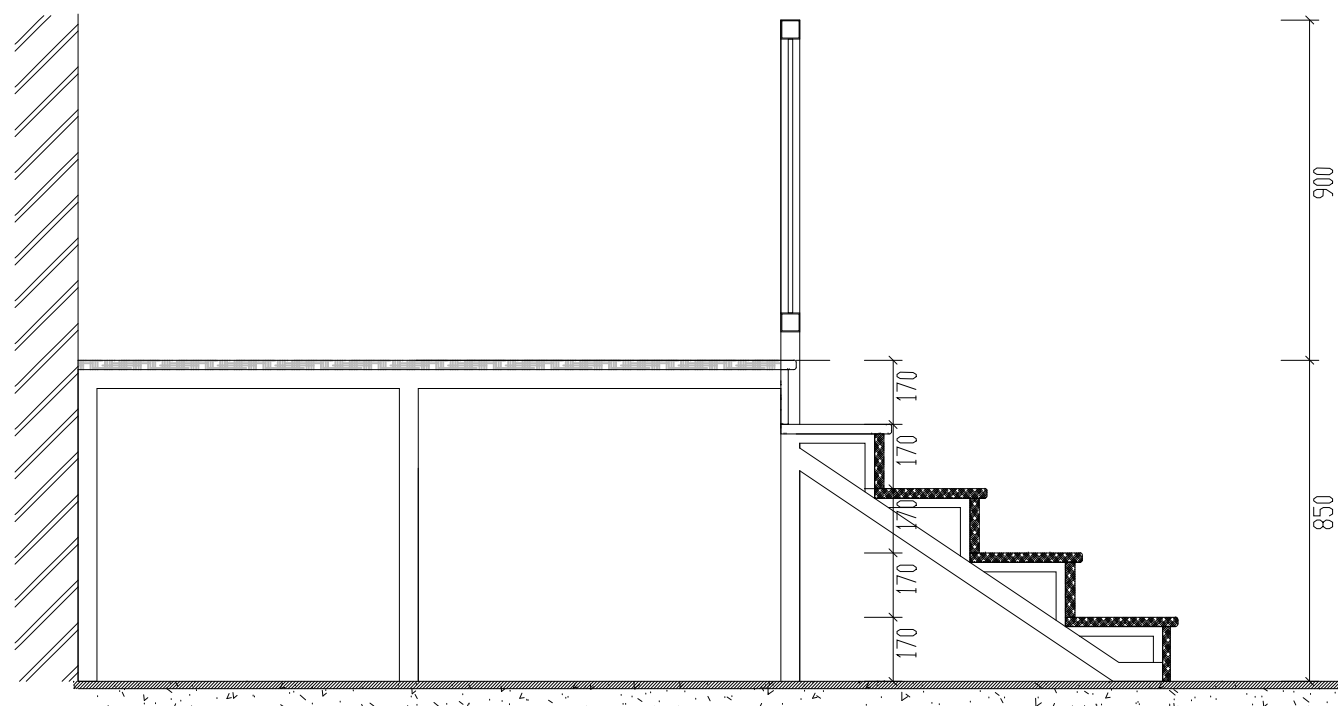
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BLOCK E
EARLY CHILD DEVELOPMENT
CENTRE CLASSROOM
PLAN, SECTION & ELEVATIONS
SCALE 1 : 100

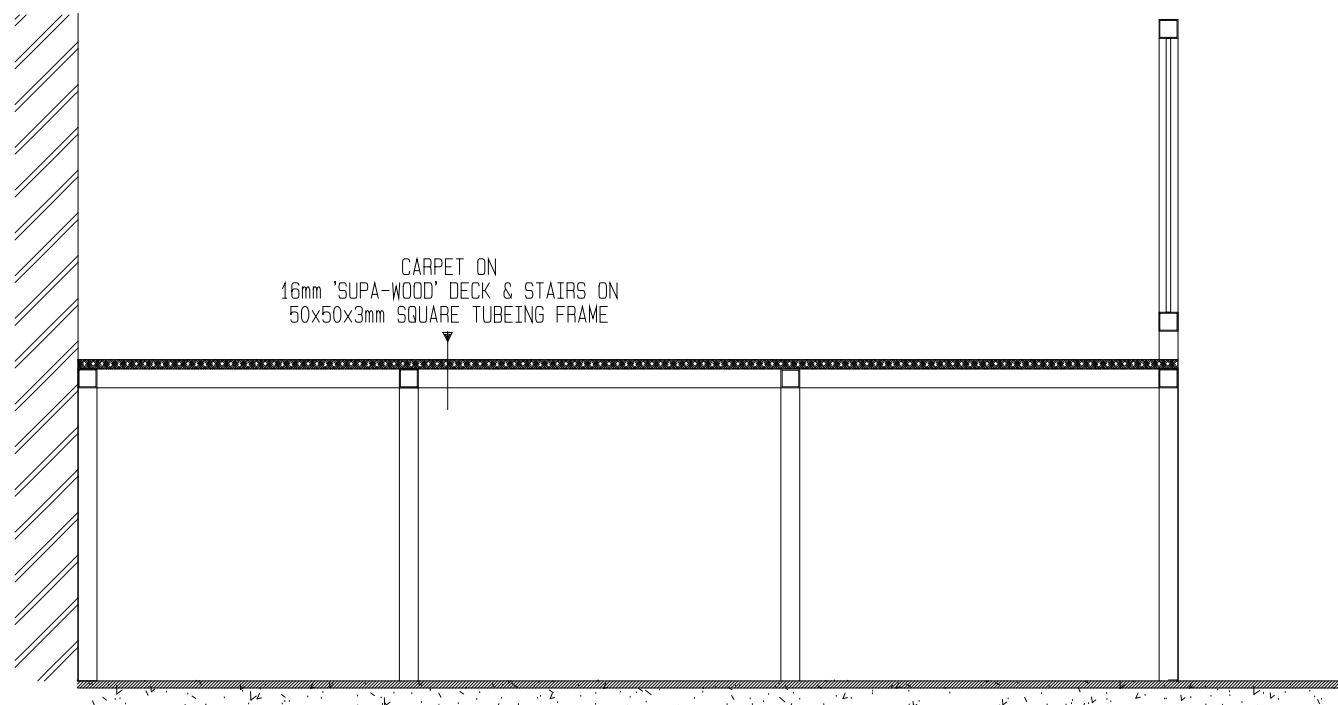
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M. Modise		October 2018	
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DRAWING NUMBER:		REVISION:	
DOUBLE ECD-105		R0	
DRAWING STATUS:			
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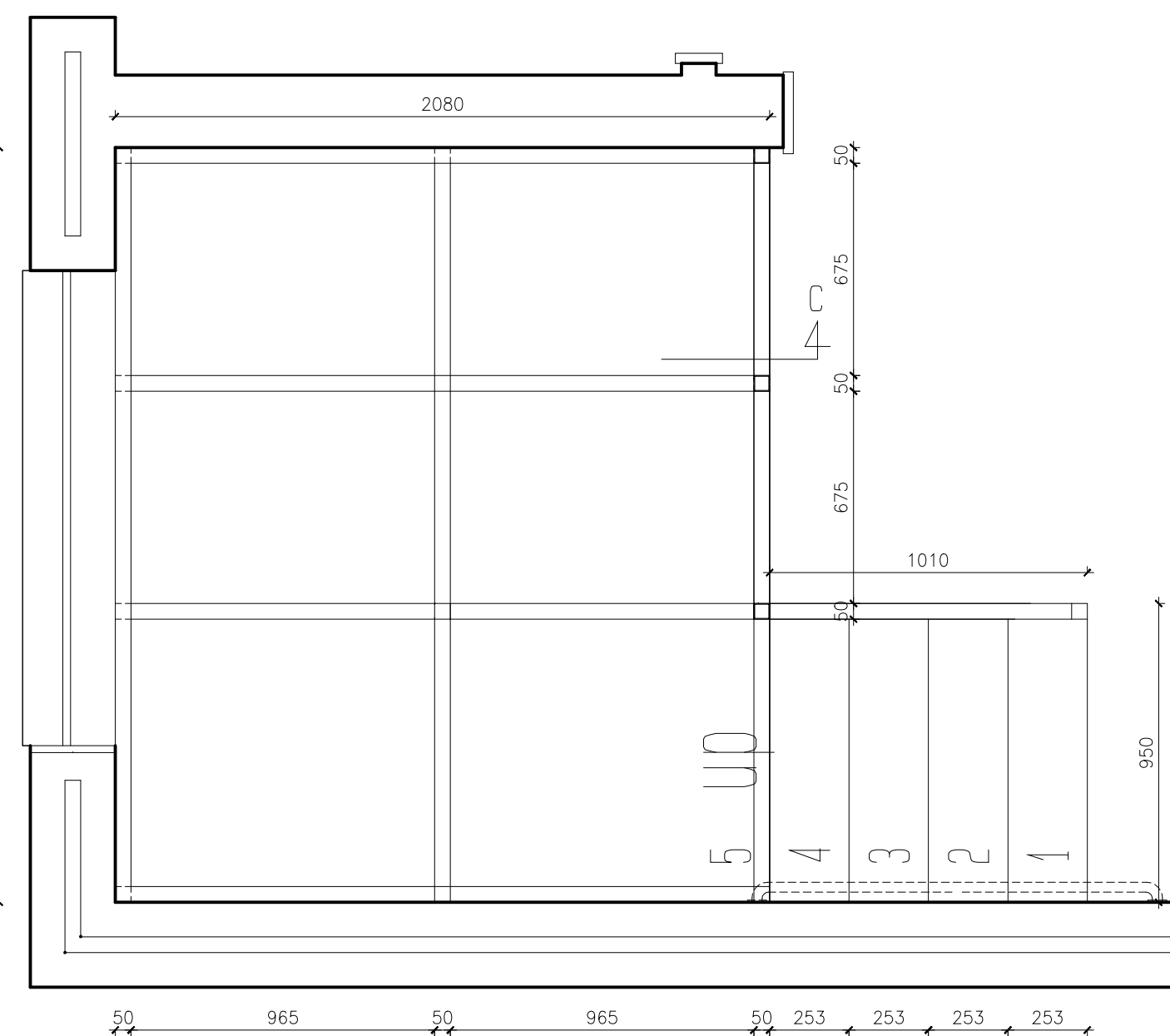
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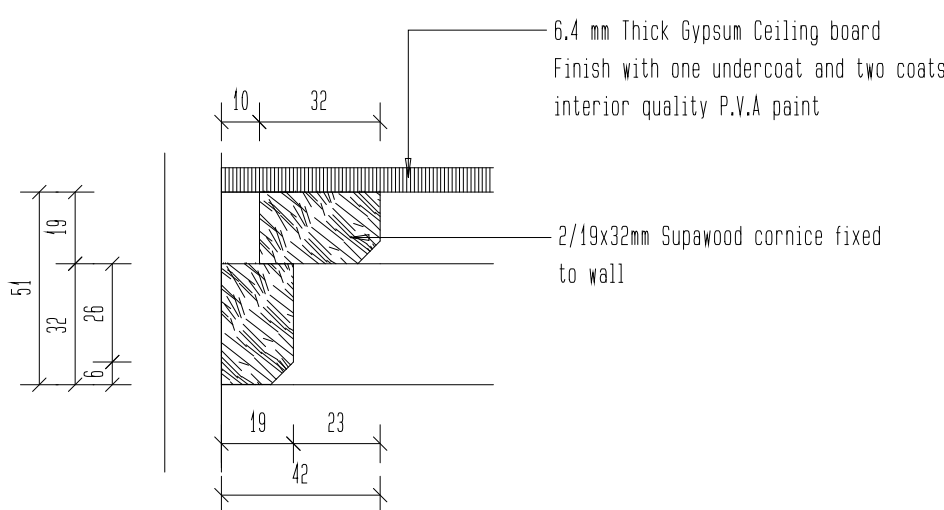
SECTION B



ELEVATION C



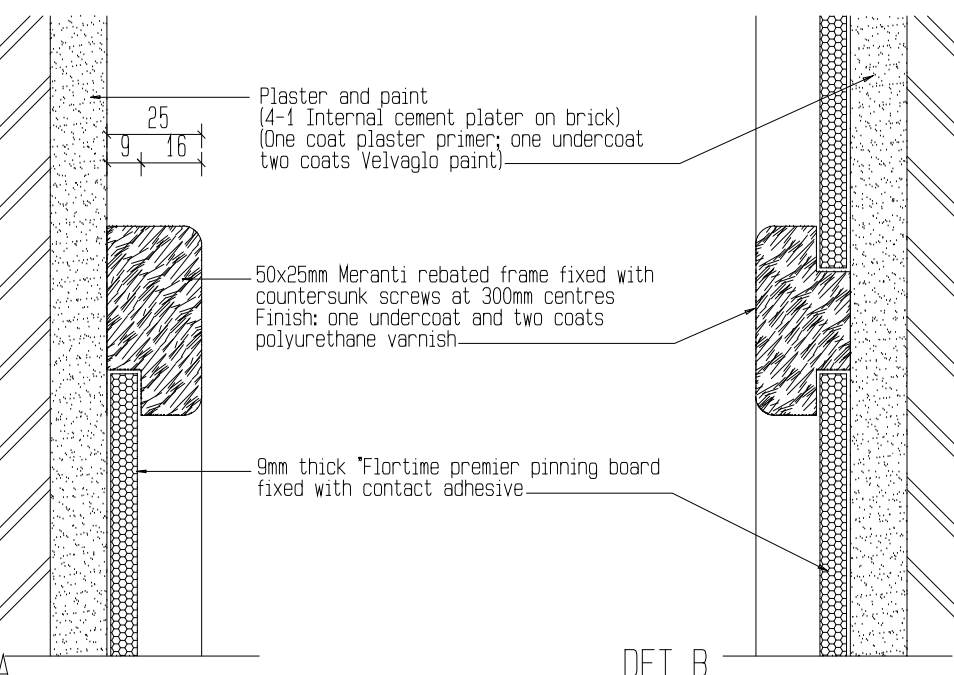
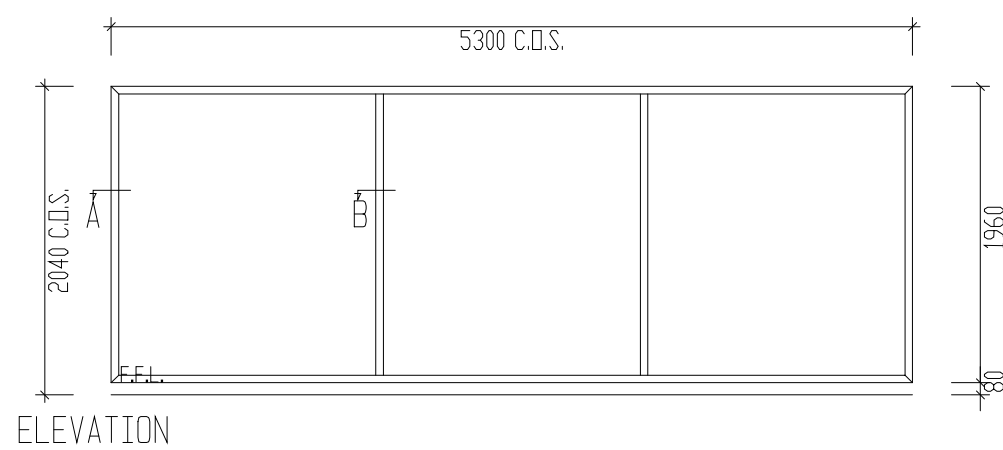
PLAN: STAIR CASE Sc 1:20



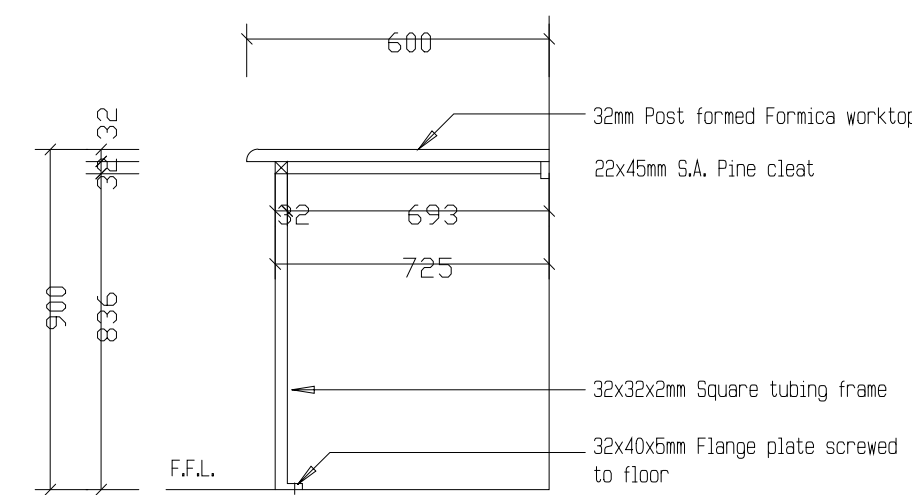
Detail 5

Scale 1:2

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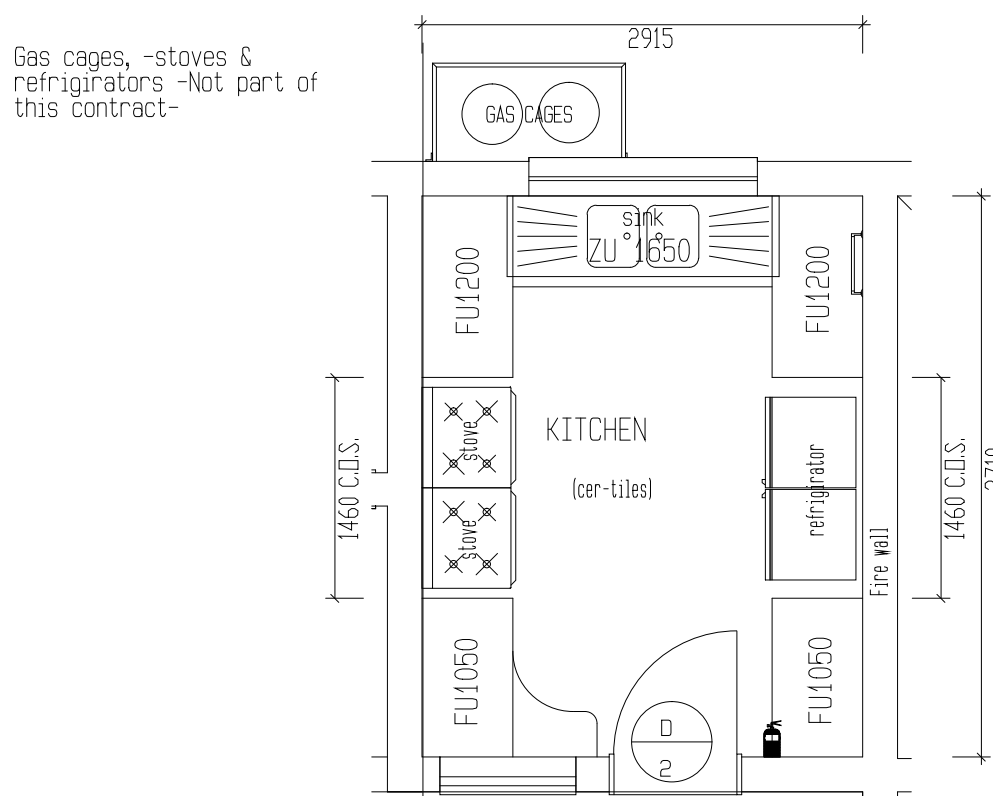


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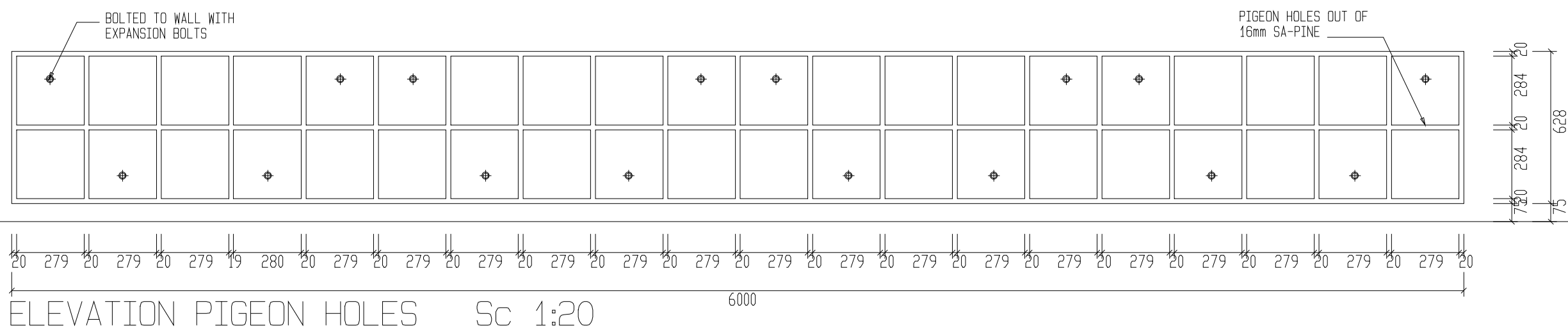
SECTION WORKTOP @ WASH UP SCALE: 1:20

DETAIL NO: SCALE: 1/20 DETAIL DESCRIPTION: WORK TOP

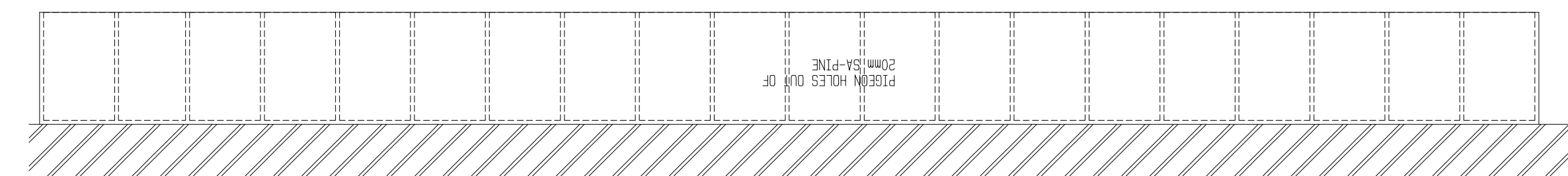


KITCHEN LAY OUT 1:50

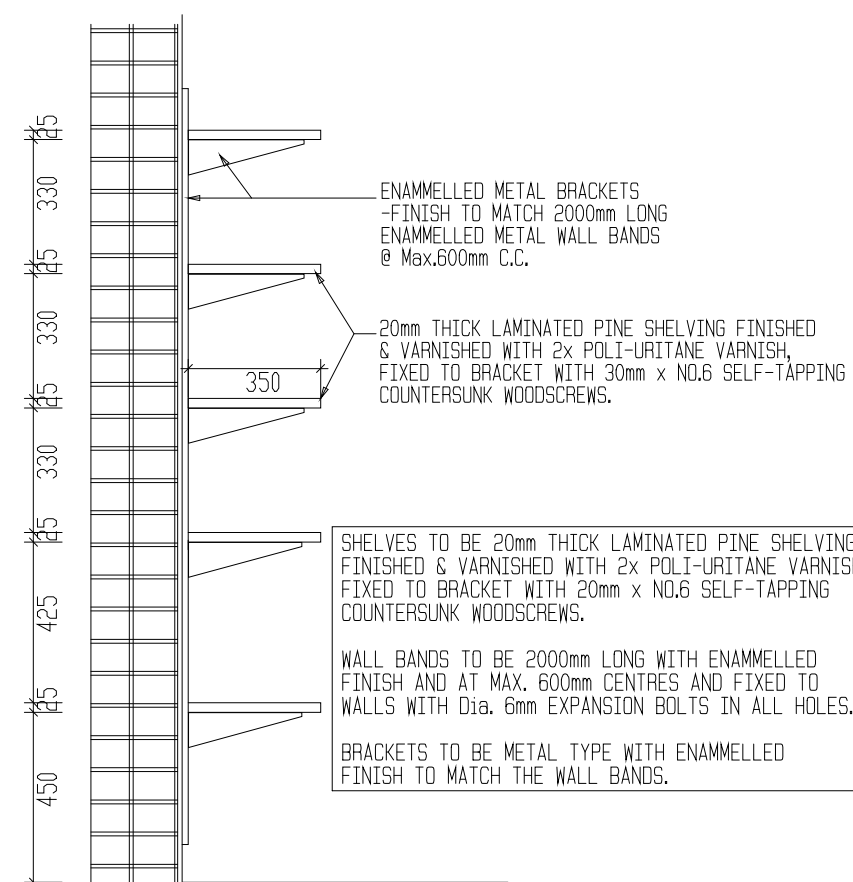
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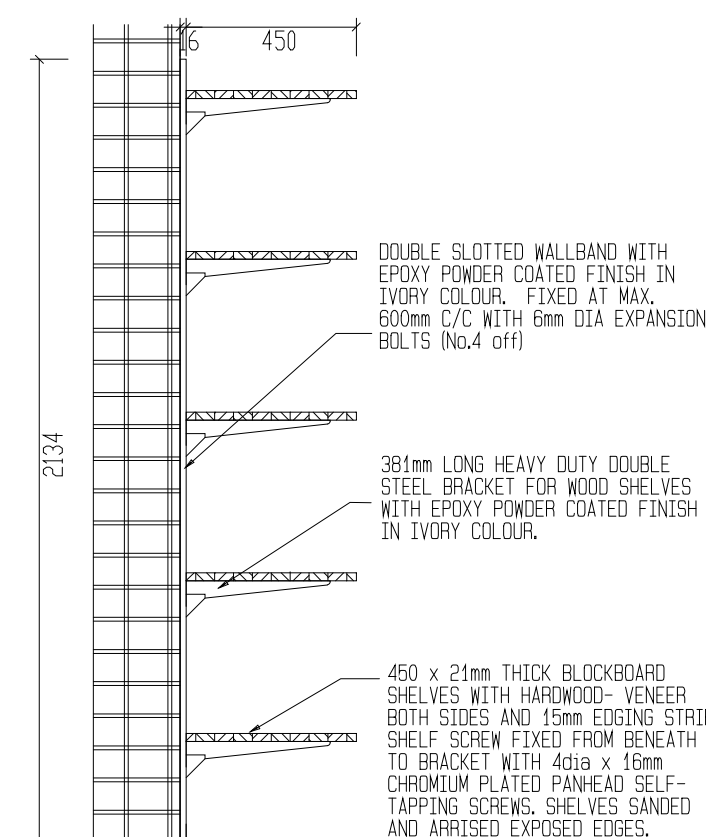
ELEVATION PIGEON HOLES Sc 1:20



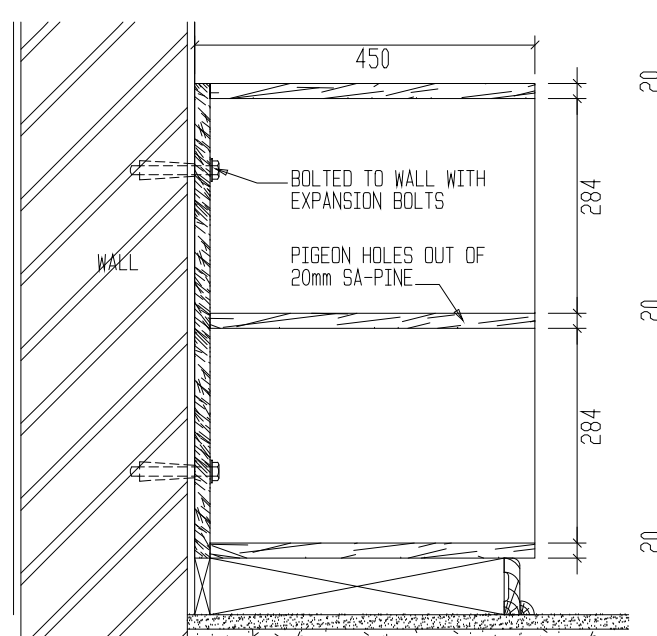
PLAN: PIGEON HOLES Sc 1:20



SHELF SH1



SHELF SH2



SECTION: PIGEON HOLES 1:10

MATERIAL SPECIFICATIONS

ITEM	DESCRIPTION
WORKTOPS	- 600 x 32mm "Formica Lifeseal Worktop" modern square profile with tight radius with edging strips included on sides Colour: WHITE MYRIAD TEXTURED Finish: Standard
EXPOSED SHELVES	Type: B & C - 18mm thick medium density fibreboard, with Melamine Finish to both sides and PVC edge strips. Shelves to be fixed to steel brackets from beneath with 4mm diam. x 16mm chromium plated panhead selftapping screws. Colour: WHITE Type: B2 & C2 - 50 x 18mm slots. - medium density fibreboard, with Melamine Finish to both sides and PVC edge strips. Shelves to be fixed to steel brackets from beneath with 4mm diam. x 16mm chromium plated panhead selftapping screws. Colour: WHITE
B.I.C DOORS	- MELAWOOD 16mm thick medium density fibreboard, with Melamine Finish to both sides. Colour: CAMDEN Provide 16mm thick matching edging strip to all edges. - Hinges: MEPLA or GRASS ssp 180 heavy duty semi concealed hinge approved. - Handles: "SOLID" 111mm aluminium Bar Pull handles, with bolt through fixing. Product Code: AL578. Finish: Anodised Silver.
INTERNAL SHELVES (B.I.C ONLY)	- 18mm thick medium density fibreboard, with Melamine Finish to both sides and PVC edge strips. Colour: WHITE
CUPBOARD DIVISIONS	- 16mm thick medium density fibreboard, with Melamine Finish to both sides. Colour: WHITE Provide 4x 350 x24mm B1583 brass plated shelf support strip with 4x brass plated brackets.
CUPBOARD SIDES	- Provide 16mm thick matching edging strip to front edges. - 16mm thick medium density fibreboard, with Melamine Finish to both sides. Colour: Red Alder 693.
BACKING BOARD	- 3mm thick medium density fibreboard, with Melamine Finish to facing sides. Colour: WHITE
INTERNAL BEARERS	- 45 x 22mm Supawood bearers fixed underneath worktop and against wall.
FLOOR BEARERS	- 76 x 19mm thick Supawood with Melamine Finish to exposed sides and PVC edge strips. Colour: WHITE
QUADRANT	- 19mm diameter Meranti quadrant fixed to floor bearers ABOVE floor finish. Sand down and finish with clear polyurethane varnish.
DRAWER	- Drawer structure: SAME AS CUPBOARD DIVISIONS - Drawer front: SAME AS CUPBOARD DOORS - Runner: "Decor City Hardware: DS-7 Telescopic Slide"self closing drawer slide or similar approved. - Handles: SAME AS CUPBOARD DOORS.
PINNING BOARDS	- FLORTIME PREMIER pinning board glued on 12mm Chipboard backing with approved contact adhesive. Provide a 60 x 28mm Meranti frame with rebate for backing and pinning board on all 4 edges. Frame finish: Sand down and finish with clear polyurethane varnish. Pinning surface Colour: Misty Grey

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REVISION

Number	Drawn by
NO	XXXXXXXXXX
NO	Maltrato
XXXX04	

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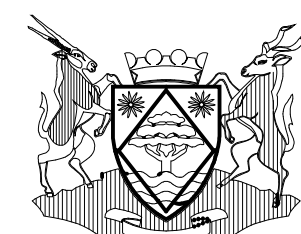
CONCRETE MIXTURE 5:4:1
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READ DIMENSIONS IN PREFERENCE TO SCALING

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WASTEPIPES 38 & 52mm o P.V.C.
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SEWER PIPE UNDER BUILDING TO BE ENCASED WITH 100mm THICK CONCRETE

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1,50 m -2,0 m 6mm
SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
SKUIFDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

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NE LEZEMISEBENZI**

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DITSELA LE DITIRO**

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PROJECT:

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FOR THE DEPARTMENT OF EDUCATION**

CILLIE

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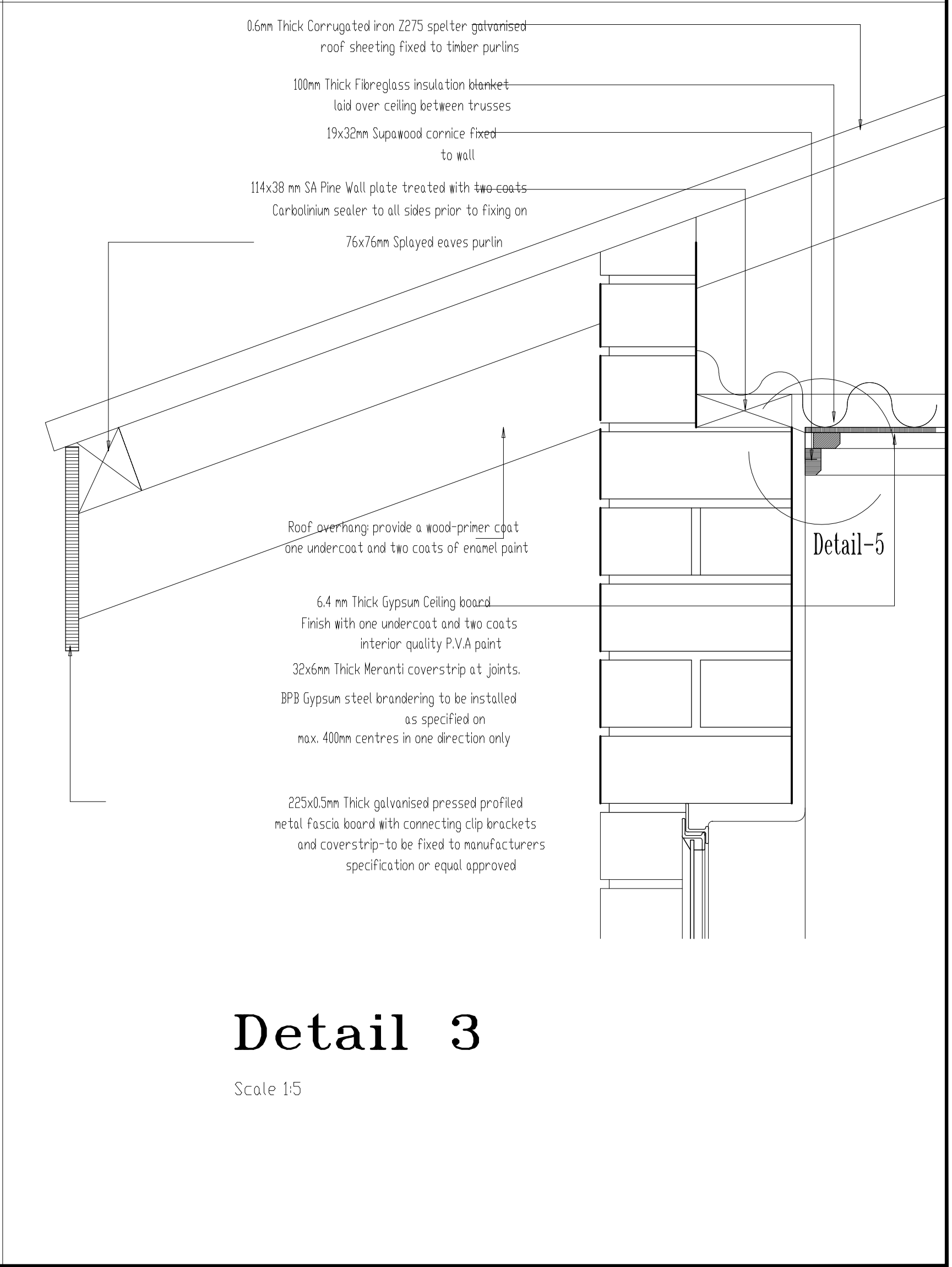
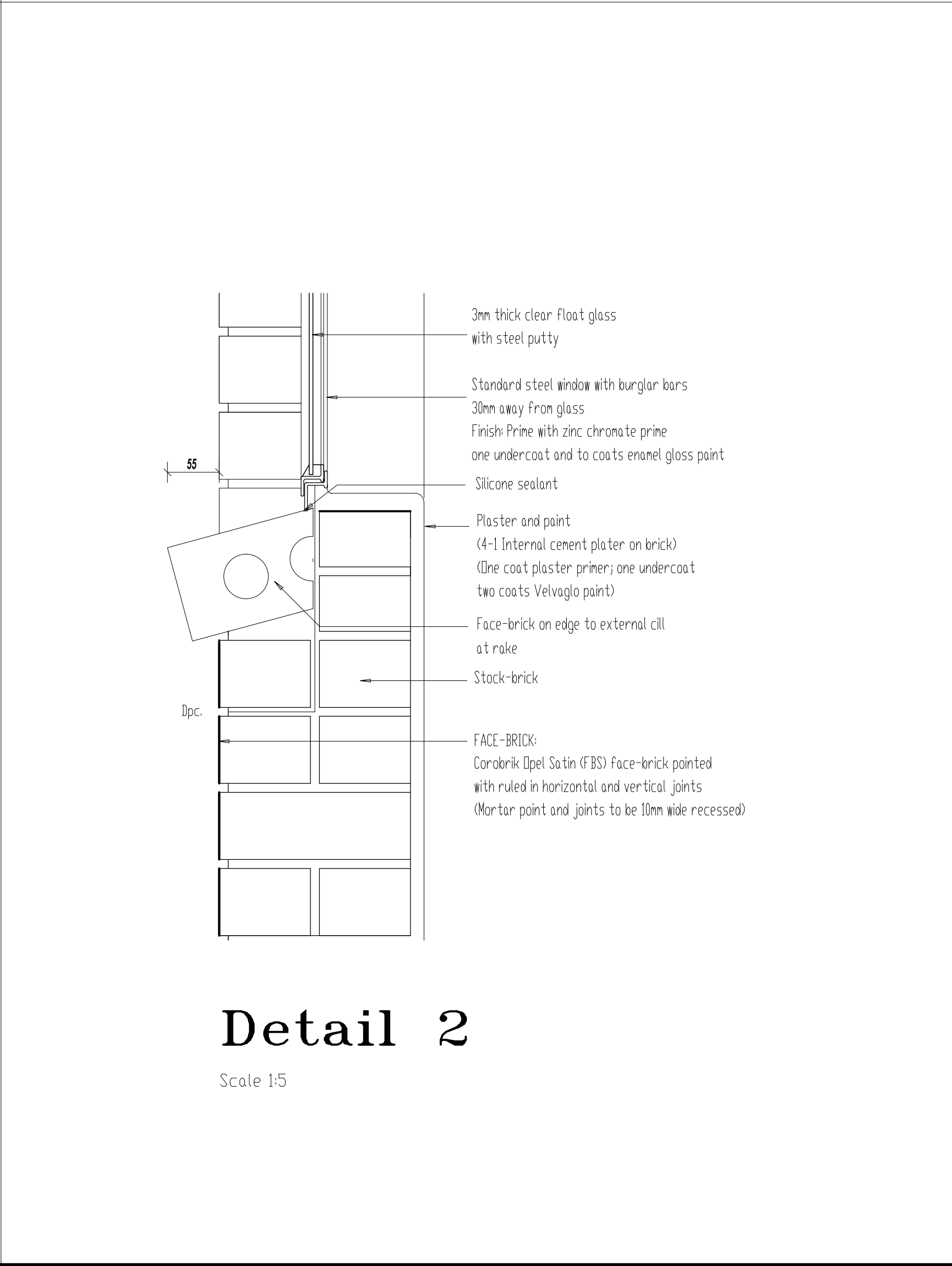
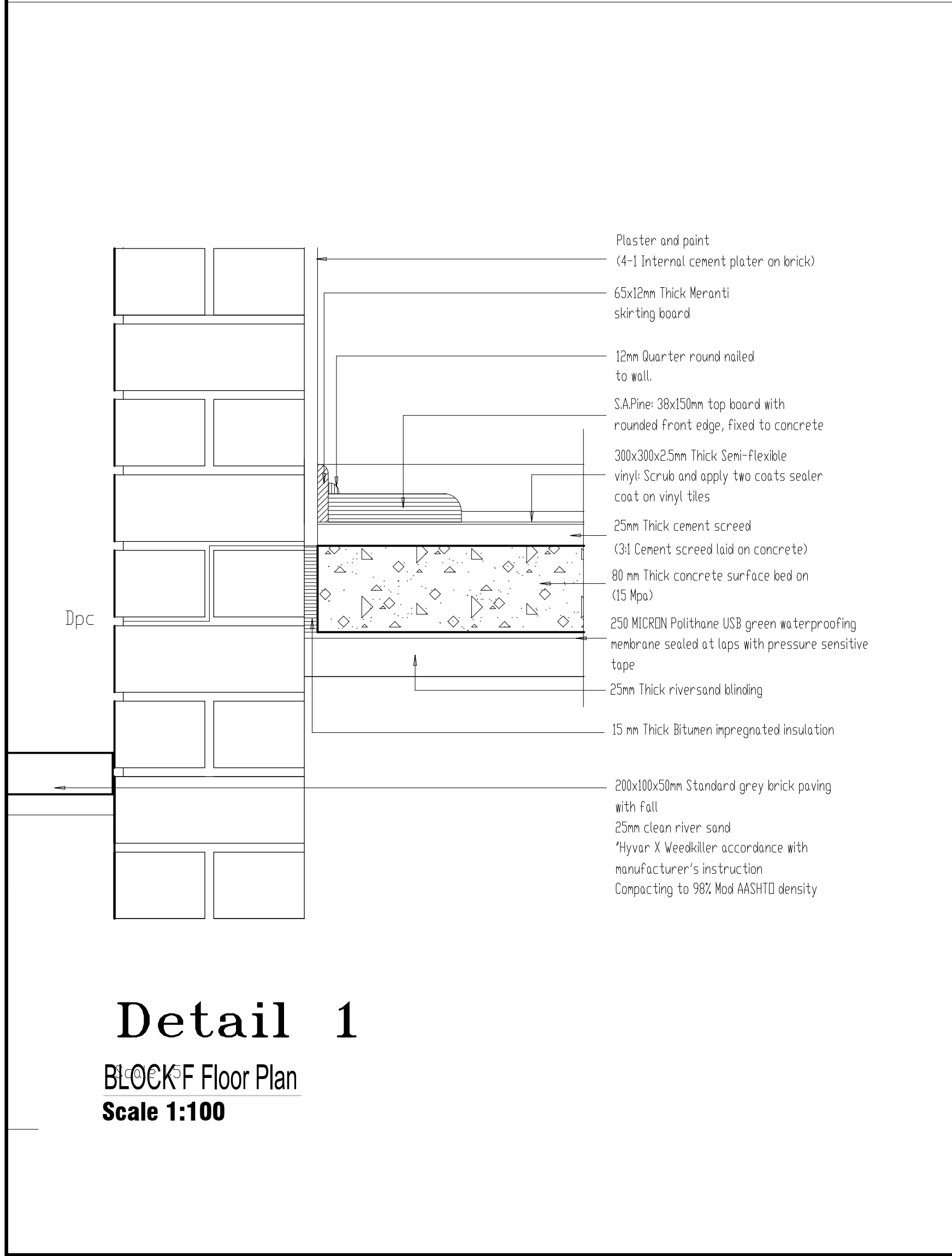
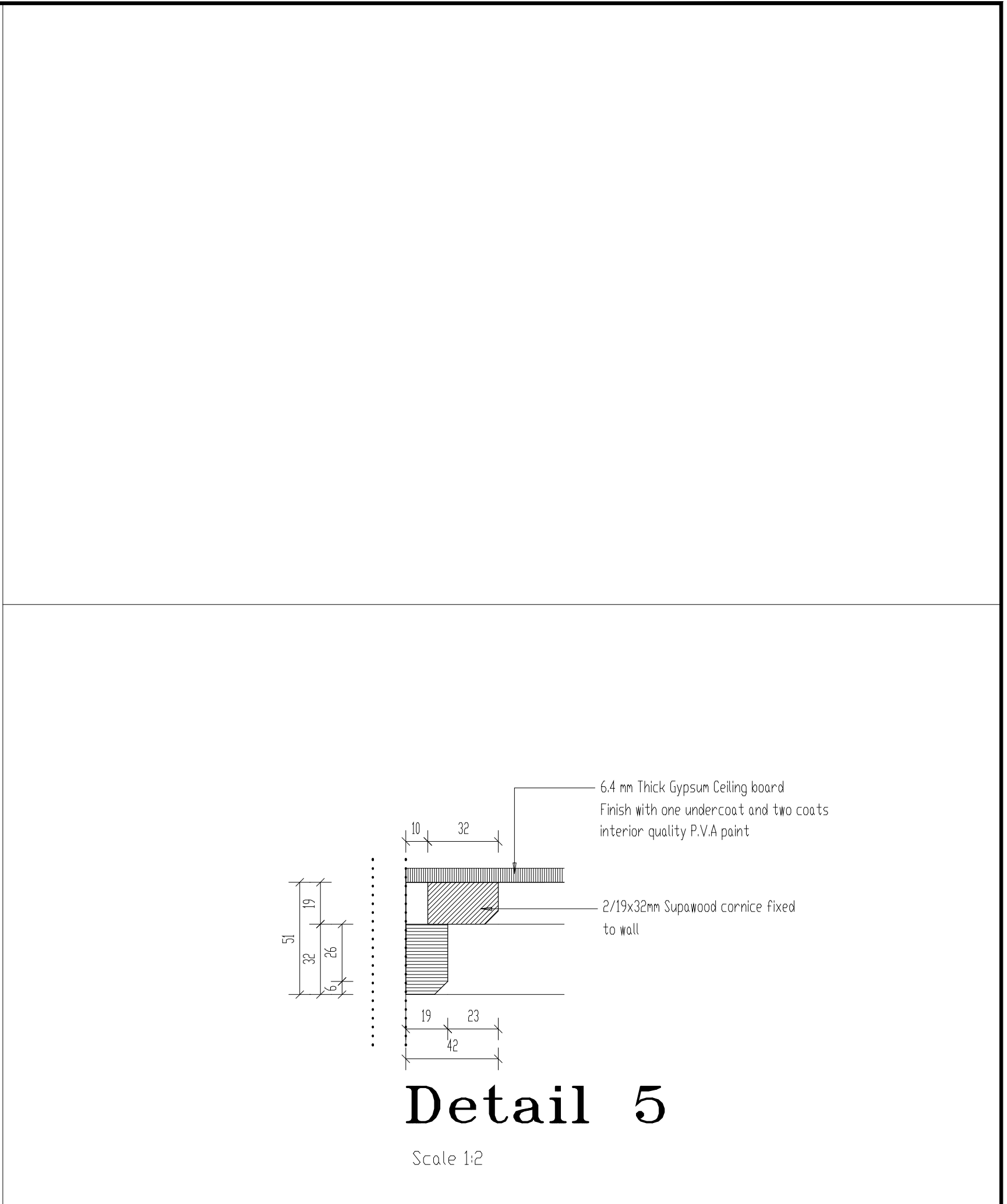
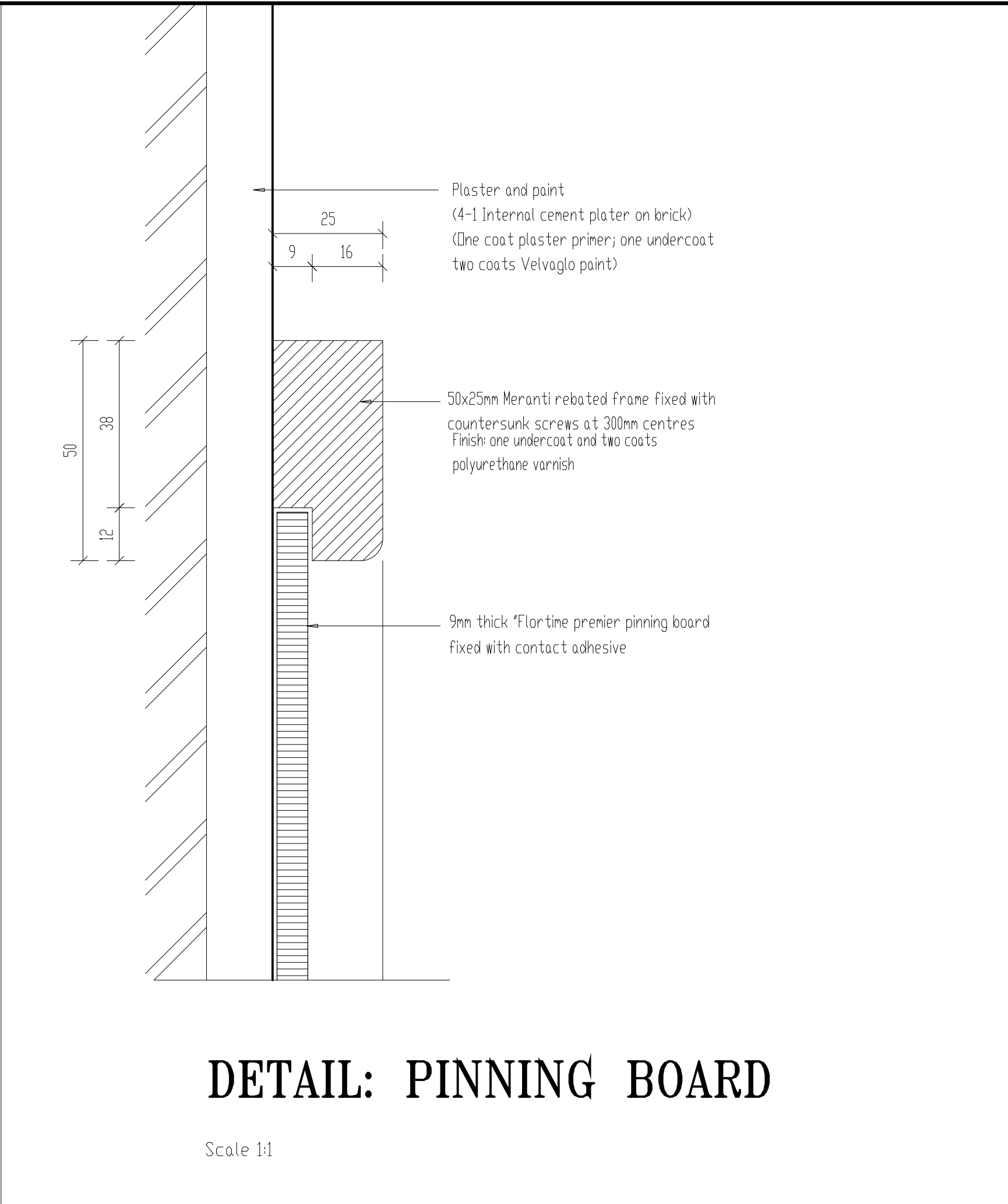
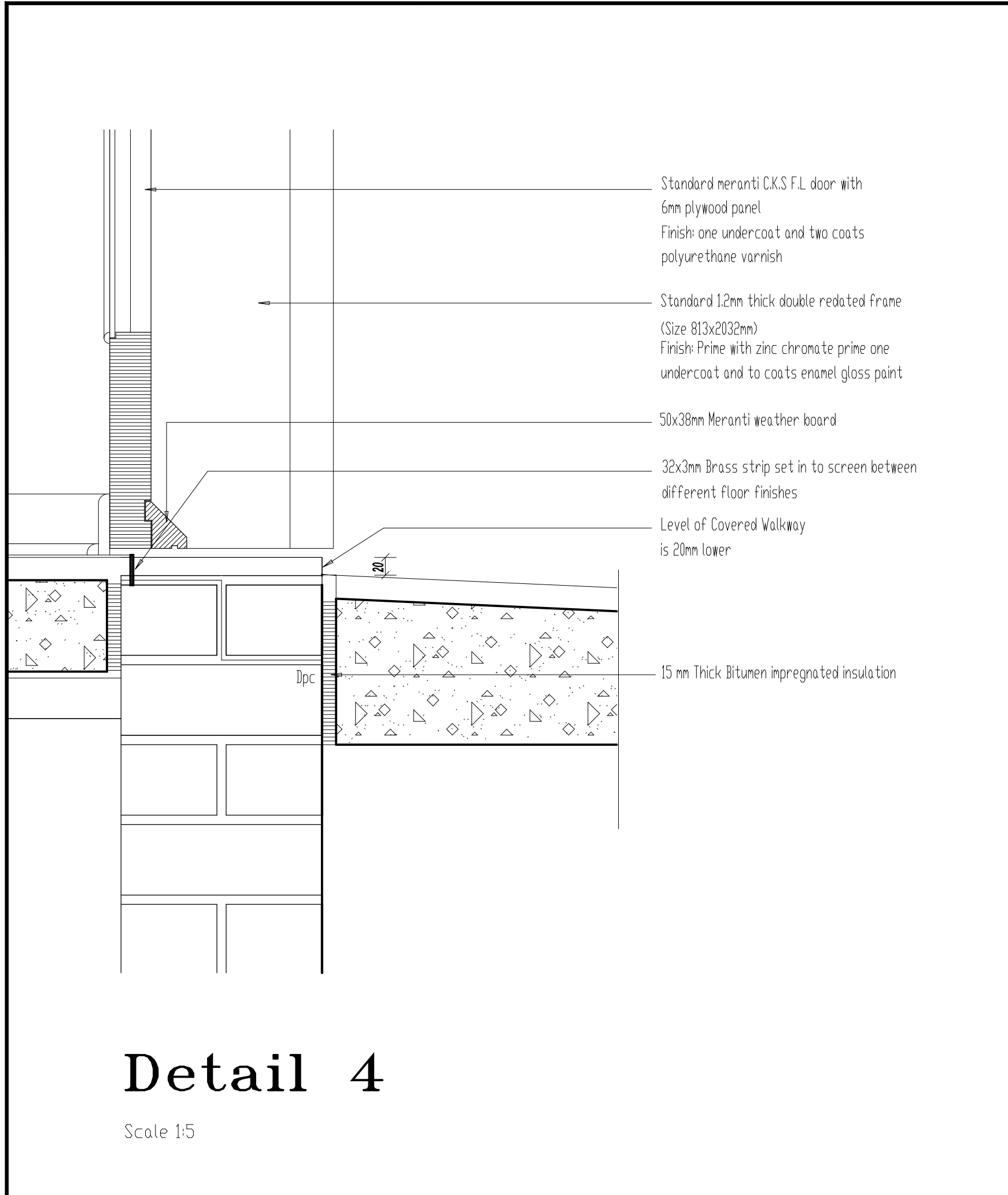


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Tel: 082 414 6824
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kaho@mweb.co.za

DRAWING TITLE:

**BLOCK E
EARLY CHILD DEVELOPMENT
CENTRE CLASSROOM
JOINERY SCHEDULE
SCALE 1 :100**

Client signature		architect signature	
DRAWN BY:		DATE:	CHECKED:
M. Modise		NOVEMBER 2018	
FILE NUMBER:		SCALE:	
2018-CILLIE		1:100	
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DOUBLE ECD-205		RO	
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Number	REVISION
Drawn by	
Date	
NO	XXXXXXXXXX
Material	XXXXXXXXXX

NOTES:
CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
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100mm GUTTER 76mm o DOWNPIPES.
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SKUIFDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

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DEPARTEMENT VAN PAAIE
EN OPENBARE WERKE**

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NE LEZEMISEBENZI
PROFENSI YA KAPA BOKONE
LEFAPHALA
DITSELA LE DITIRO**

CLIENT:

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PROJECT:

**PROPOSED NEW CILLIE PRIMARY SCHOOL
FOR THE DEPARTMENT OF EDUCATION
CILLIE
NORTHERN CAPE**

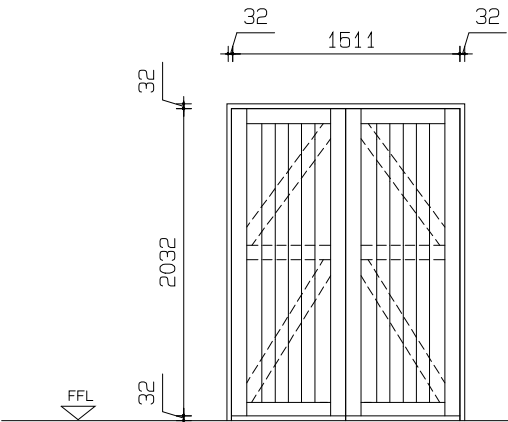
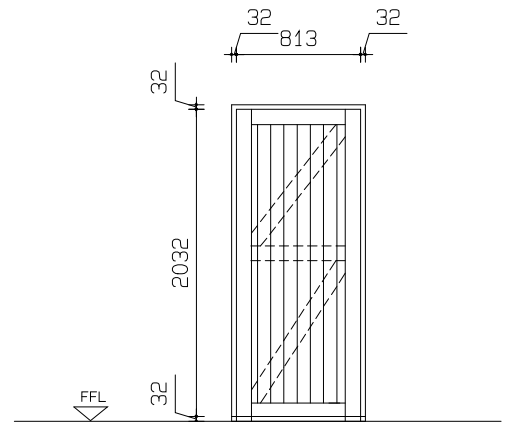
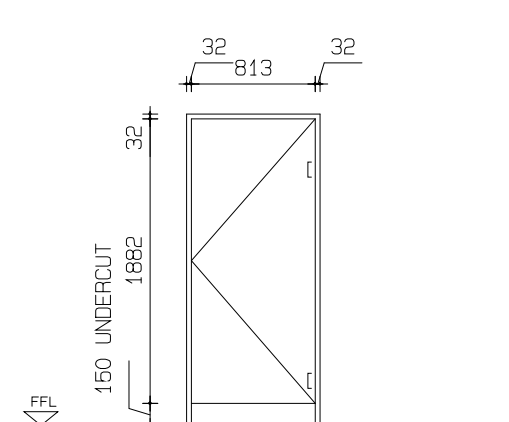
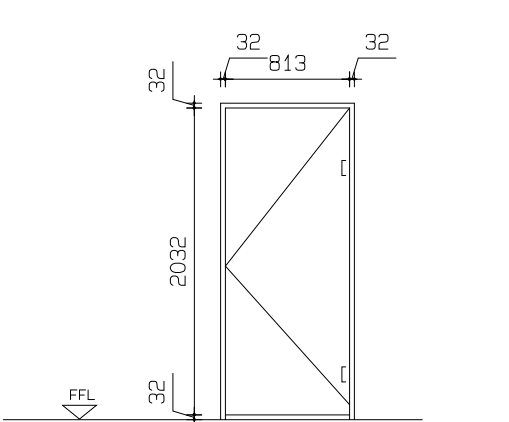
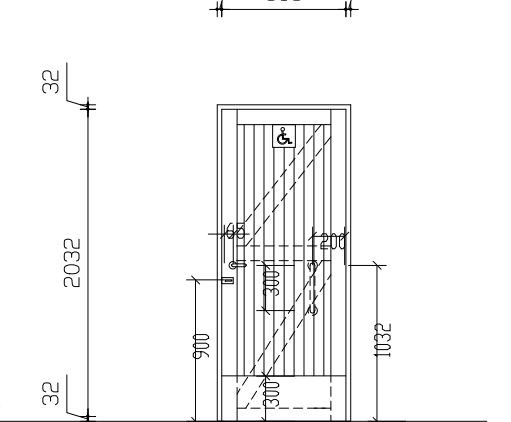
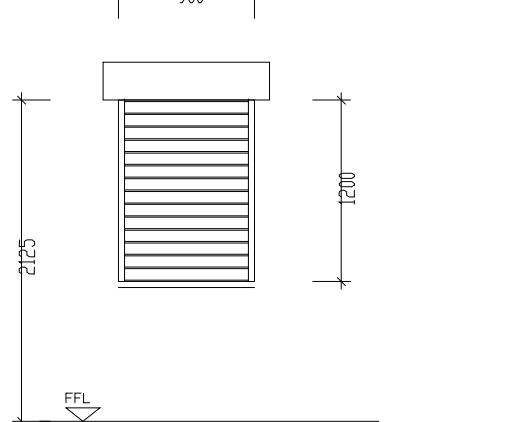
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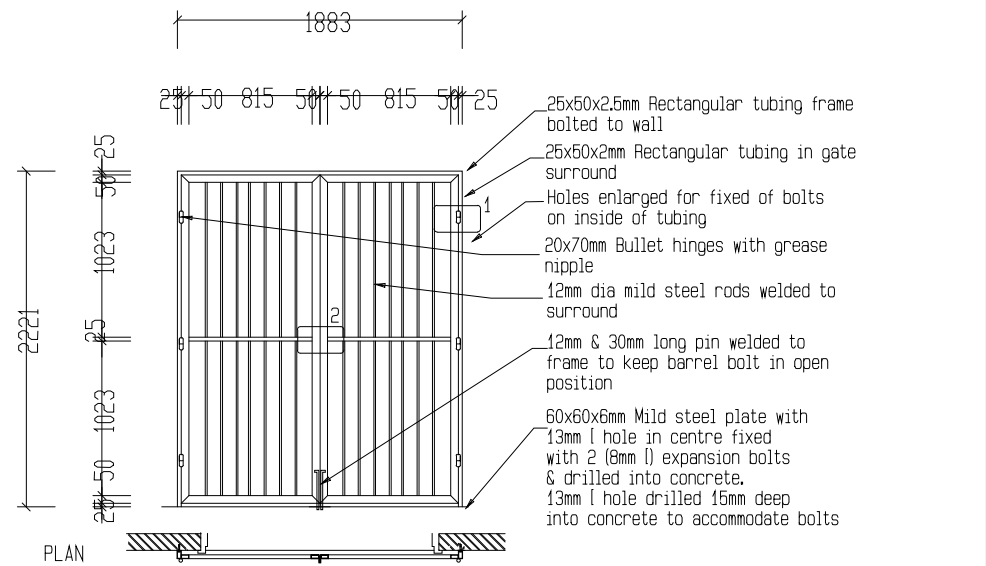
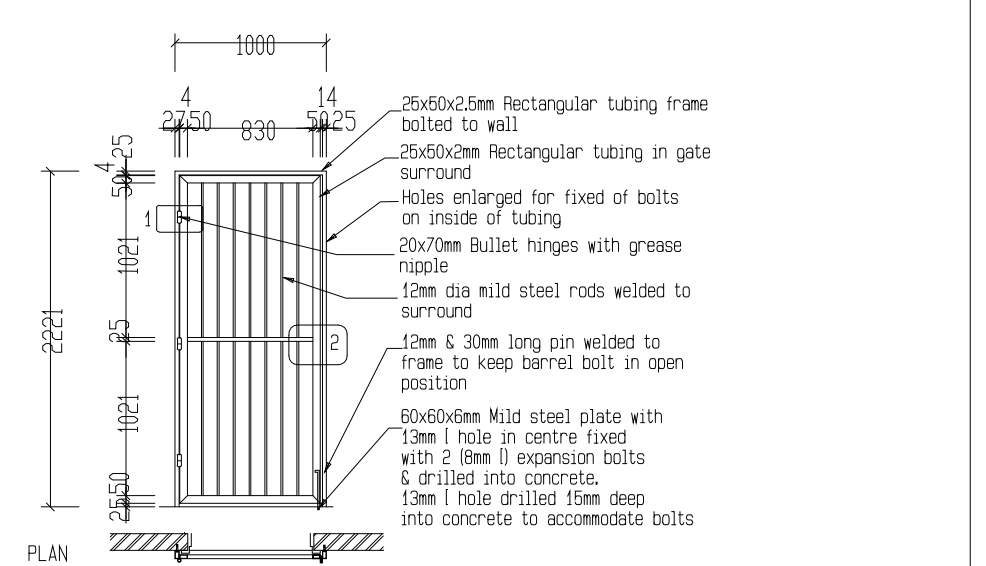
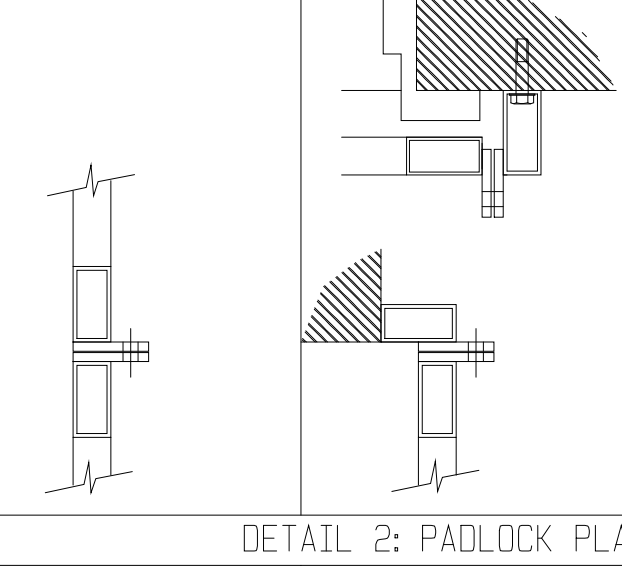
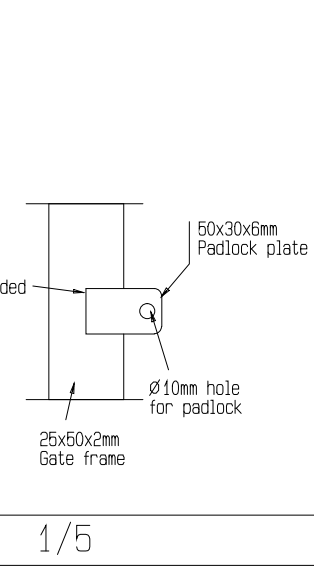
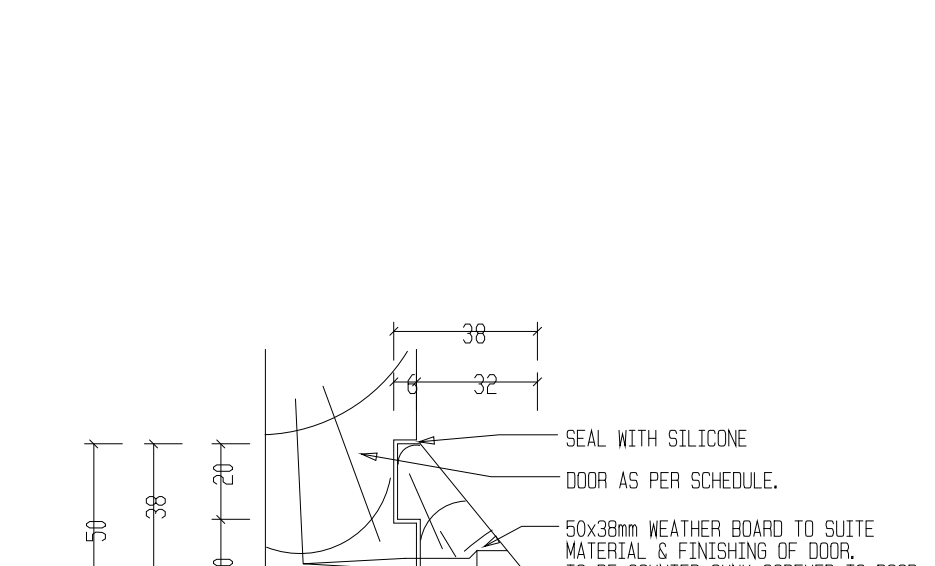
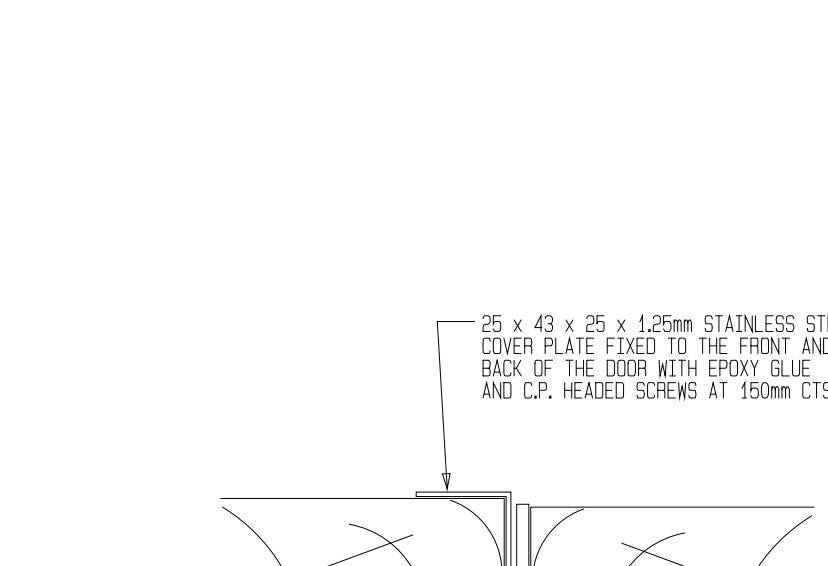
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HILLCREST / 8301
Tel: 082 414 6824
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kaho@mweb.co.za

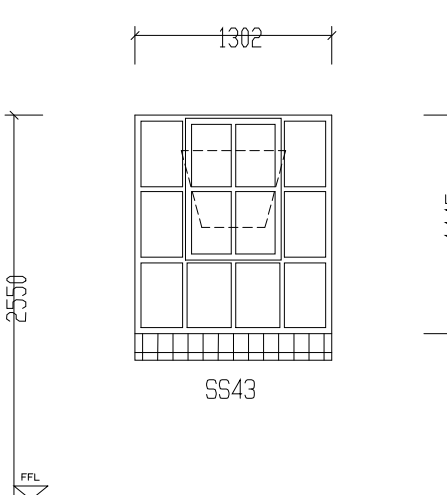
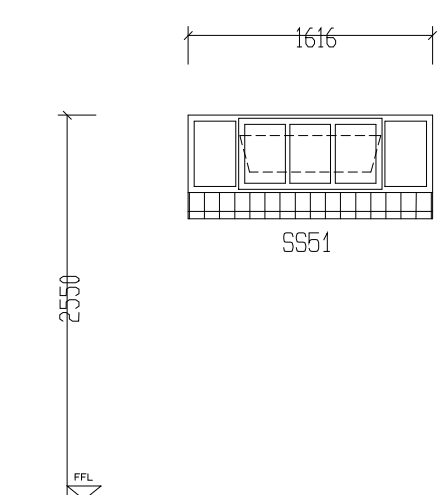
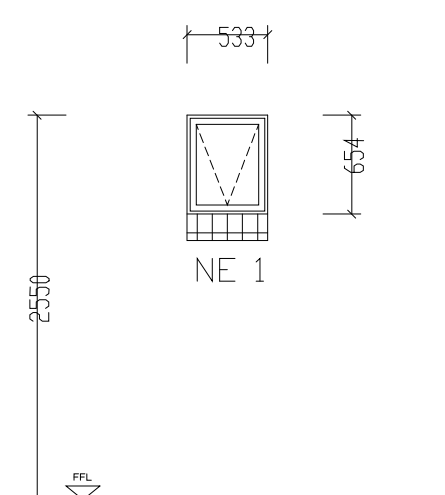
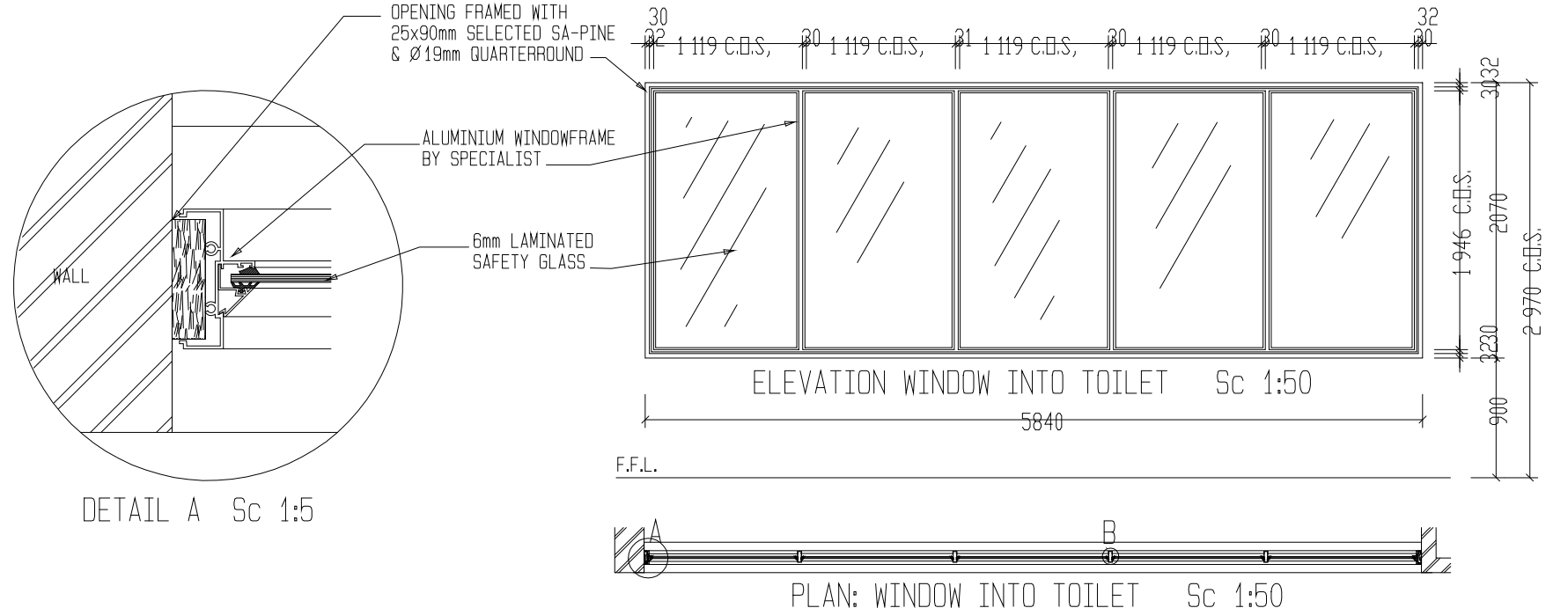
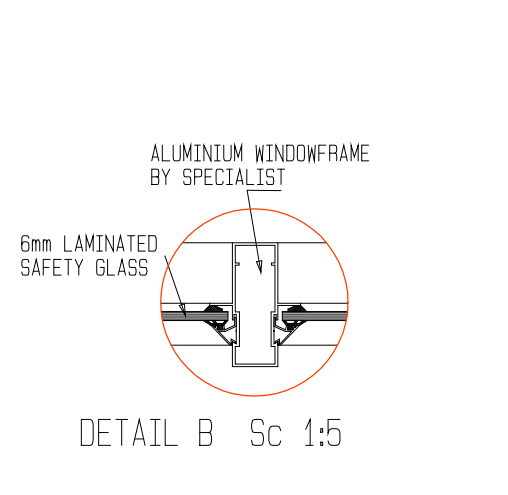
DRAWING TITLE:

**BLOCK E
EARLY CHILD DEVELOPMENT
CENTRE CLASSROOM
DETAILS
SCALE 1:5**

Client signature		architect signature	
DRAWN BY:		DATE:	
M. Modise		October 2018	
FILE NUMBER:		SCALE:	
2018-CILLIE		1:100	
DRAWING NUMBER:		REVISION:	
DOUBLE ECD-305		RO	
DRAWING STATUS:			
Info only	Tender	For constr.	

																								
DOOR No	D1	WALL	HAND	DOOR No	D2	WALL	HAND	DOOR No	D3	WALL	HAND	DOOR No	D4	WALL	HAND	DOOR No	D5	WALL	HAND	DOOR No	D6	WALL	HAND	
QUANTITY	2			QUANTITY	4			QUANTITY	6			QUANTITY	2			QUANTITY	1			QUANTITY	1			
CODE	NONE	220 110	LH RH -	CODE	NONE	220 110	LH RH 2	CODE	NONE	220 110	LH RH 3	CODE	NONE	220 110	LH RH 1	CODE	NONE	220 110	LH RH -	CODE	NONE	220 110	LH RH -	
LOCATION	CLASS ROOMS			LOCATION	ABLUTIONS, KITCHEN & STORE ROOMS			LOCATION	CHILD TOILET			LOCATION	STAFF TOILET			LOCATION	TOILET FOR DISABLED			LOCATION	KITCHEN			
DOOR	2032x1511x44mm Framed Ledge & Braced batten door, 44x150mm top rail & styles 16x150mm middle ledge & braces, 22x230mm bottom rail, 22mm V-jointed battens one side on the other side -6mm plywood flusipanel-veneer to match door let into & including rebates all round. Inside 864x300x1.6mm satin finished stainless steel protection plate.			DOOR	2032x1511x44mm Framed Ledge & Braced batten door, 44x150mm top rail & styles 16x150mm middle ledge & braces, 22x230mm bottom rail, 22mm V-jointed battens one side on the other side -6mm plywood flusipanel-veneer to match door let into & including rebates all round. Inside 864x300x1.6mm satin finished stainless steel protection plate.			DOOR	1882x1134x40mm internal quality semi solid flush panel door with approved veneer both sides and 2 concealed edges.			DOOR	2032x1511x44mm Framed Ledge & Braced batten door, 44x150mm top rail & styles 16x150mm middle ledge & braces, 22x230mm bottom rail, 22mm V-jointed battens one side on the other side -6mm plywood flusipanel-veneer to match door let into & including rebates all round. Inside 864x300x1.6mm satin finished stainless steel protection plate.			DOOR	2032x1511x44mm Framed Ledge & Braced batten door, 44x150mm top rail & styles 16x150mm middle ledge & braces, 22x230mm bottom rail, 22mm V-jointed battens one side on the other side -6mm plywood flusipanel-veneer to match door let into & including rebates all round. Inside 864x300x1.6mm satin finished stainless steel protection plate.			DOOR	STANDARD ROLLER SHUTTER AS 'WISPEED ROLL-A-DOR' U.S.A. FOR 1200x300mm OPENING			
FRAME	STANDARD PRESSED STEEL (1.2mm THICK) SINGLE WITH 2 PAIR OF HINGES TO SUIT DOOR			FRAME	1.2mm Thick PRESSED STEEL SINGLE REBATE FRAME, 1 Pr 100mm BUTT HINGES welded to frame, 1 Adjustable S.S. STRIKE PLATE for mortice locks 1200mm above F.F.L., 3x RUBBER SHOCK ABSORBERS in rebate, 3 Coats clear varnish.			FRAME	STANDARD PRESSED STEEL (1.2mm THICK) SINGLE WITH 3 STEEL BUTT HINGES TO SUIT 813x1962x40mm SGL REBATE DOOR			FRAME	1.2mm Thick PRESSED STEEL SINGLE REBATE FRAME, 1 Pr 100mm BUTT HINGES welded to frame, 1 Adjustable S.S. STRIKE PLATE for mortice locks 1200mm above F.F.L., 3x RUBBER SHOCK ABSORBERS in rebate, 3 Coats clear varnish.			FRAME	1.2mm Thick PRESSED STEEL SINGLE REBATE FRAME, 1 Pr 100mm BUTT HINGES welded to frame, 1 Adjustable S.S. STRIKE PLATE for mortice locks 1200mm above F.F.L., 3x RUBBER SHOCK ABSORBERS in rebate, 3 Coats clear varnish.			FRAME	AS SUPPLIED WITH DOOR			
DOOR FINISH	3 Coats clear varnish.			DOOR FINISH	3 Coats clear varnish.			DOOR FINISH	GLOSS ENAMEL PAINT on wood.			DOOR FINISH	3 Coats clear varnish.			DOOR FINISH	3 Coats clear varnish.			DOOR FINISH	FACTORY APPLIED FINISH -COLOR BY ARCHITECT			
FRAME FINISH	GLOSS ENAMEL PAINT.			FRAME FINISH	GLOSS ENAMEL PAINT.			FRAME FINISH	1 COAT APPROVED STEEL PRIMER - FACTORY COATED			FRAME FINISH	1 COAT APPROVED STEEL PRIMER - FACTORY COATED			FRAME FINISH	GLOSS ENAMEL PAINT.			FRAME FINISH	AS SUPPLIED WITH DOOR			
TYPE -WALL	Face brick			TYPE -WALL	Face brick			TYPE -WALL	PLASTER			TYPE -WALL	PLASTER INTERNALLY & FACE BRICK EXTERNALLY			TYPE -WALL	PLASTER INTERNALLY & FACE BRICK EXTERNALLY			TYPE -WALL	Face Brick			
FURNITURE	1 pair Lever Handles WATERBOK SOLID Art: 472/E41 1 pair Backplates (1 key hole) SOLID Art: 710/E41 1 only 4-Lever Lockset SOLID Art: 313/ A40 1 pair Flushbolts SOLID Art: 208/150 1 pair Door Stop SOLID Art: 255/E41 . Weather Board to detail Meeting Style to detail			FURNITURE	1 pair Lever Handles WATERBOK SOLID Art: 472/E41 1 pair Backplates (1 key hole) SOLID Art: 710/E41 4-Lever Lockset SOLID Art: 313/ A40 1 only Door Stop SOLID Art: 255/E41 . Weather Board to detail			FURNITURE	UNION RADIUS CB-SC68-735C indicator bolt			FURNITURE	1 pair Lever Handles WATERBOK SOLID Art: 472/E41 1 pair Backplates (1 key hole) SOLID Art: 710/E41 1 only 2-Lever Lockset SOLID Art: 313/ A40 1 only Door Stop SOLID Art: 255/E41 .			FURNITURE	190mm Signage by Design Hardware (1 code B2312) * 3-Lever deadlock + esculcheon as UNION 21320-78 * UNION 37551as helping hand w/c indicator bolt & keep * GRABRAIL Ø19x300mm long in position shown on drawing. * bottom of door both sides 1,6x300mm S.S. KICKING PLATE.			FURNITURE				

																											
GATE NO.		G1		WALL		HAND		GATE NO.		G2		WALL		HAND		DETAIL 2: PADLOCK PLATE		1/5		DETAIL OF WEATHER BOARD		SCALE 1 : 2		DETAIL OF MEETING STYLE		SCALE 1 : 2	
QUANTITY		2		LH		RH		QUANTITY		4		LH		RH													
CODE		220		-		-		CODE		220		1		1													
LOCATION		CLASS ROOMS						LOCATION		KITCHEN, STORE 2 & CLASS ROOMS																	
DOOR		2221x1883mm STEEL GATE OUT OFF: 25x50x2mm mildsteel rectangular tubing frame & 25x25x1.6mm thick mildsteel square tubing vertical. Intermediate with 12mm dia rods, welded to frame.						DOOR		2221x1883mm STEEL GATE OUT OFF: 25x50x2mm mildsteel rectangular tubing frame & 25x25x1.6mm thick mildsteel square tubing vertical. Intermediate with 12mm dia rods, welded to frame.																	
FRAME		FRAME: 25x50x2mm RECTANGULAR TUBING FRAME:						FRAME		FRAME: 25x50x2mm RECTANGULAR TUBING FRAME:																	
FINISH		Prime with zinc chromate primer & apply 1 undercoat & 2 coats gloss enamel paint						FINISH		Prime with zinc chromate primer & apply 1 undercoat & 2 coats gloss enamel paint																	
FRAME FINISH								FRAME FINISH																			
IRONMONGERY		65x40x6mm thick mild steel plate locking lugs welded to door & frame. Provide approved 50mm brass padlock with hardened steel shackle						IRONMONGERY		65x40x6mm thick mild steel plate locking lugs welded to door & frame. Provide approved 50mm brass padlock with hardened steel shackle																	
DETAIL NO.		N/A		SCALE:		1/50		DETAIL DESCRIPTION:		DOOR SCHEDULE																	

																			
WINDOW NO.	W1	WALL TYPE - 230 BRICK FACE/BRICK	QUANTITY 8	WINDOW NO.	W2	WALL TYPE - 230 BRICK FACE/BRICK	QUANTITY 19	WINDOW NO.	W3	WALL TYPE - 230 BRICK FACE/BRICK	QUANTITY 8	DETAIL A Sc 1:5				DETAIL B Sc 1:5			
LOCATION	CLASSROOMS			LOCATION	CLASSROOMS, TOILETS & STORE			LOCATION	TOILETS		CODE: NC115								
FRAME	1445x1302mm Steel Frame painted.			FRAME	1616x511mm Steel Frame painted.			FRAME	654x533mm Steel Frame painted.										
FRAME FINISH	Gloss enamel painted			FRAME FINISH	Gloss enamel painted			FRAME FINISH	Gloss enamel painted										
GLAZING	3mm Clear float glass puttied in with steel window putty.			GLAZING	3mm Clear float glass puttied in with steel window putty.			GLAZING	3mm Obscure glass puttied in with steel window putty.										
CILL	EXTERNAL - Face Brick INTERNAL - Plaster window cill			CILL	EXTERNAL - Face Brick INTERNAL - Plaster window cill			CILL	EXTERNAL - Face Brick INTERNAL - Plaster window cill										
B.BARS	On Total window (opening and fixed sections)			B.BARS	On Total window (opening and fixed sections)			B.BARS	On Total window (opening and fixed sections)										
FINISH:	Gloss enamel painted.			FINISH:	Gloss enamel painted.			FINISH:	Gloss enamel painted.										
DETAIL NO.	N/A			SCALE:	1/50			DETAIL DESCRIPTION: WINDOW SCHEDULE											

NOTES:

GLASS ENAMEL PAINT: 1 Coat factory applied red oxide, 1 coat universal undercoat and 2 coats approved gloss enamel paint in approved colour.

BURGLAR BARS: made of 20x5mm mild steel bars, according to standard MBP2 pattern , to be welded at all intersections against window frames. Provide in front of opening and fixed sections at all windows except at classrooms. (opening sections only) Burglar proofing to be bent 75mm away from glass surface at all fixed sections. Bars to run at the centres of the window panes.

NOTES:
GLOSS ENAMEL PAINT: 1 Coat factory applied red oxide, 1 coat universal undercoat and 2 coats approved gloss enamel paint in approved colour.
BURGLAR BARS: made of 20x5mm mild steel bars, according to standard NP2 pattern, to be welded at all intersections and against window frames. Provide in front of opening and fixed sections at all windows except at classrooms. (opening sections only) Burglar proofing to be bent 75mm away from glass surface at all fixed sections. Bars to run at the centres of the window panes.

- * ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND.
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- * ALLIE WERK MOET VOLDOEN AAN PLAUSURE STAATSRAADS-REGULASIES.

Number	REVISION
Drawn by	
Date	
NO	XXXXXXXXXX
Material	XXXXXX

NOTES:
CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm o WIRE BUILT INTO WALLS.
THE BEAMS 152mmx38mm. RAFTERS 114mmx38mm.
76mmx38mm WALL PLATES.
6mm GYPSUM BOARD CEILINGS.
100mm GUTTER 76mm o DOWNPIPES.
READ DIMENSIONS IN PREFERENCE TO SCALING
ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS
DRAINAGE NOTES:
* SOL DRAIN 100 o P.V.C.
* VENTPIPES 38 & 52mm o P.V.C.
* WASTEPIPES 100mm o P.V.C.
IE'S AT EVERY BENT AND CHANGE OF DIRECTION
SEWER PIPE UNDER BUILDING TO BE ENCASED WITH 100mm THICK CONCRETE
GLASS IN WINDOWS:
0-0,75 m 3mm
0,75 m -1,5 m 4mm
1,50 m -2,0 m 6mm
SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
SUIKDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

IMPLEMENTING CLIENT:

**NORTHERN CAPE PROVINCE
DEPARTMENT OF
ROADS AND PUBLIC WORKS**

**PROVINSIE VAN NOORD-KAAP
DEPARTEMENT VAN PAAIE
EN OPENBARE WERKE**



**PHONDO LOMNTLA KAPA
ISEBE IEZO THUTHO INDELELA
NE LEZEMISEBENZI**

**PROFENSI YA KAPA BOKONE
LEFAPHALA
DITSELA LE DITIRO**

CLIENT:

DEPARTMENT OF EDUCATION

PROJECT:

**PROPOSED NEW CILLIE PRIMARY SCHOOL
FOR THE DEPARTMENT OF EDUCATION**

**CILLIE
NORTHERN CAPE**

Consultant



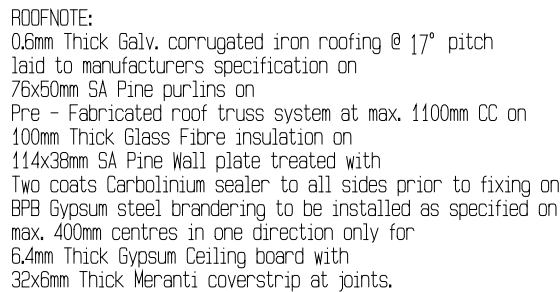
KIMBERLEY
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Tel: 082 414 6824
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kaho@mweb.co.za

DRAWING TITLE:

**BLOCK E
EARLY CHILD DEVELOPMENT
CENTRE CLASSROOM
DOOR & WINDOW SCHEDULES
SCALE 1 :100**

Client signature		architect signature	
DRAWN BY:	DATE:	CHECKED:	
M. Modise	October 2018		
FILE NUMBER:		SCALE:	
2018-CILLIE		1:100	
DRAWING NUMBER:		REVISION:	
DOUBLE ECD-405		RO	
DRAWING STATUS:			
Info only	Tender	For constr.	

NOTE:
Provide SISALATION 420 insulation on roof (AA+AB)



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NOTES:
CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm or WIRE
TIED INTO WALLS.
TIE BEAMS 76mmx38mm, RAFTERS 114mmx38mm.
76mmx38mm WALL PLATES
6mm GYPSUM BOARD CEILINGS
100mm GLITTER 76mm or DOWNPIES.
READ DIMENSIONS IN PREFERENCE
TO SCALING.
ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS
DRAINAGE NOTES:
SOIL DRAIN 100 c P.V.C.
WASTEPIPES 38 & 52mm o P.V.C.
VENTPIPES 100mm o P.V.C.
IF'S AT EVERY BENT AND CHANGE
OF DIRECTION
SEWER PIPE UNDER BUILDING TO BE
ENCASED WITH 100mm THICK CONCRETE
CLASS IN WINDOWS:
0-0,75 m 3mm
0,75 m -1,5 m 4mm
1,50 m -2,0 m 6mm
SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
SKUIFDEURE 6,5mm VEILIGHEIDSLAS EN MARKERS

IMPLEMENTING CLIENT:

**NORTHERN CAPE PROVINCE
DEPARTMENT OF
ROADS AND PUBLIC WORKS
PROVINSIE VAN NOORD-KAAP
DEPARTEMENT VAN PAAIE
EN OPENBARE WERKE**



**PHONDO LOMNTLA KAPA
ISEBE IEZO THUTHO INDLELA
NE LEZEMISEBENZI**

**PROFENSI YA KAPA BOKONE
LEFAPHALA
DITSELA LE DITIRO**

CLIENT:

DEPARTMENT OF EDUCATION

PROJECT:

**PROPOSED NEW CILLIE PRIMARY SCHOOL
FOR THE DEPARTMENT OF EDUCATION**

CILLIE NORTHERN CAPE

Consultant



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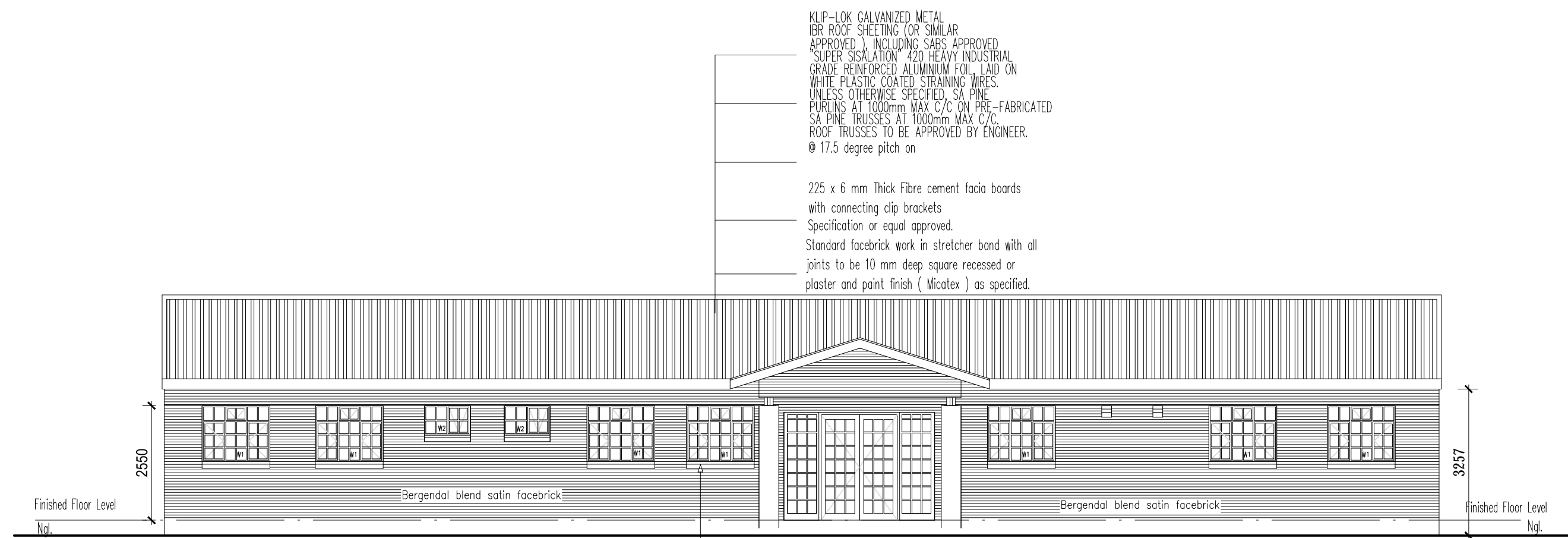
kaho@mweb.co.za

kaho@mweb.co.za

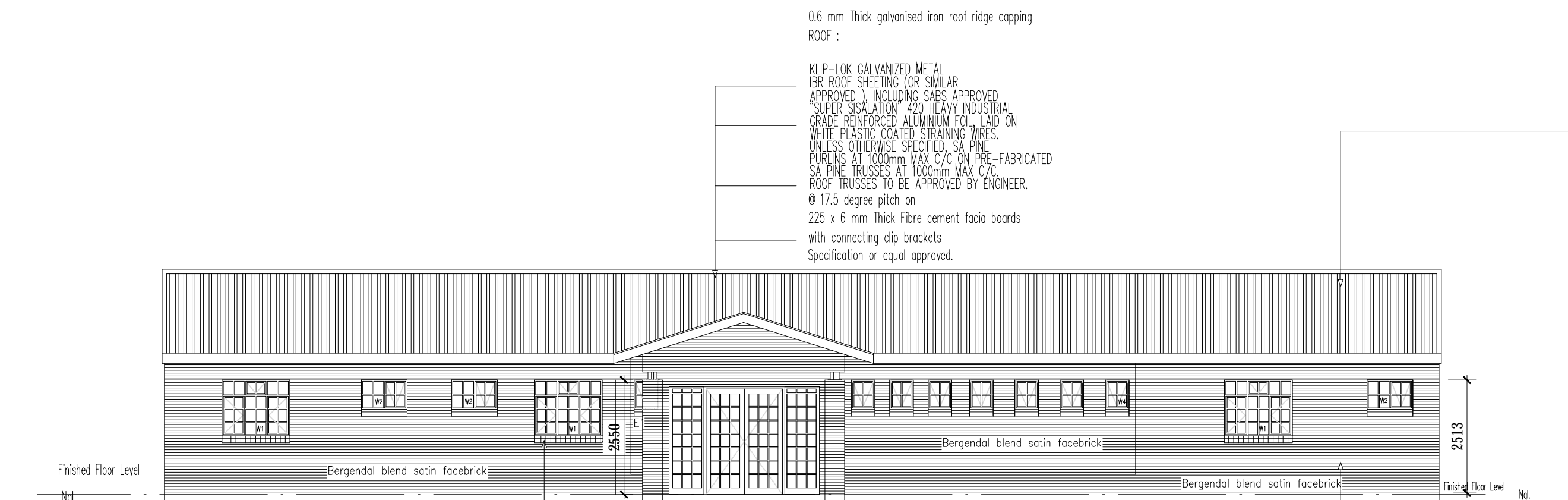
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BLOCK E
EARLY CHILD DEVELOPMENT
CENTRE CLASSROOM
FINISHING SCHEDULE&ROOF PLAN
SCALE 1:100

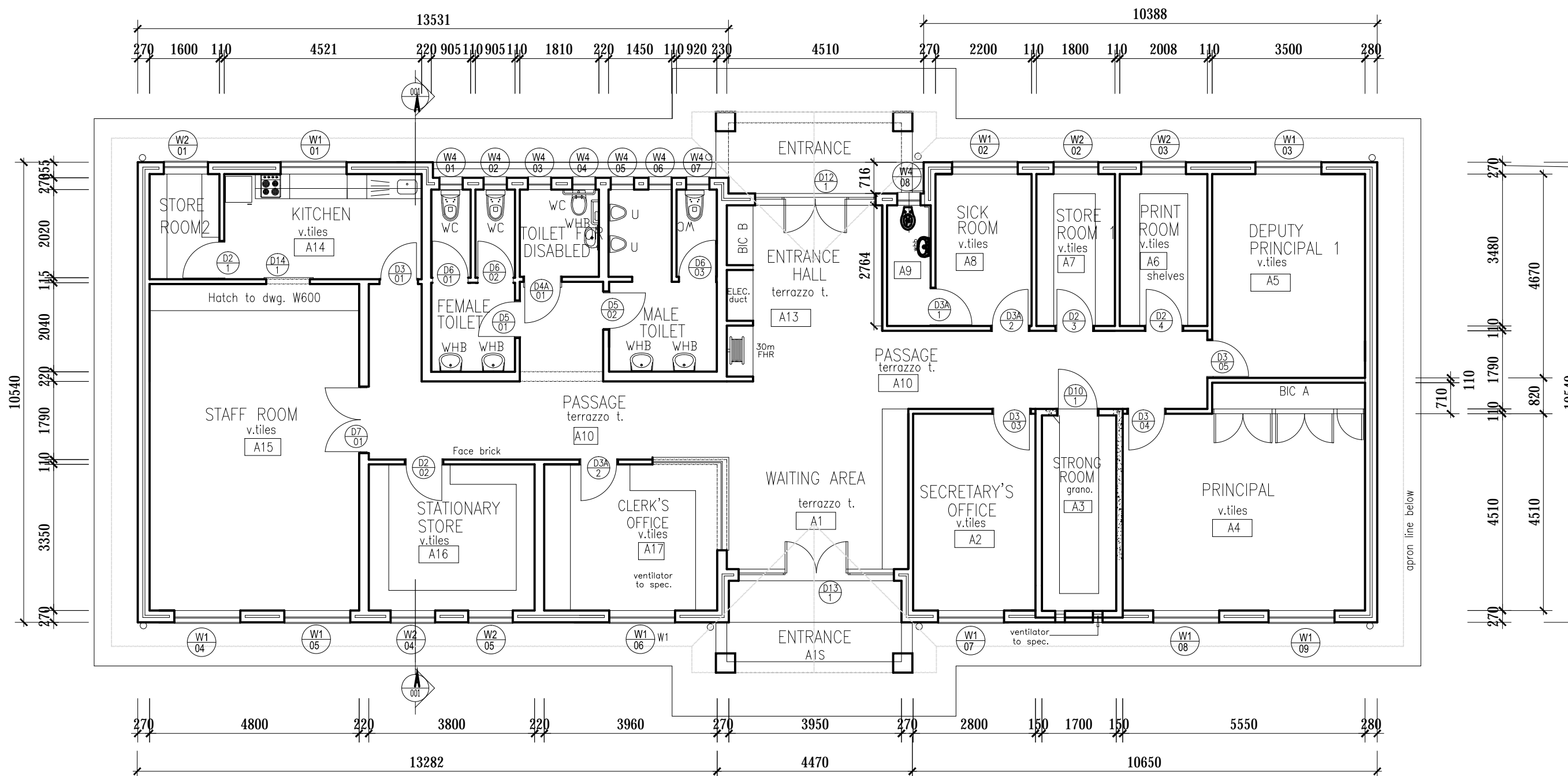
Client signature		architect signature
DRAWN BY:	DATE:	CHECKED:
M. Modise	October 2018	
FILE NUMBER:		SCALE:
2018-CILLIE		1:100
DRAWING NUMBER:		REVISION:
DOUBLE ECD-505		R0
DRAWING STATUS:		
Info only	Tender	For constr.



EAST ELEVATION
Scale 1:100



WEST ELEVATION
Scale 1:100



BLOCK A Floor Plan
Scale 1:100

SMALL ADMINISTRATION BLOCK – 300m²

Standard industrial type mildsteel windows provided with one coat factory applied red oxide paint.

BURGLAR BARS :
Standard burglar proofing to windows to NB2 pattern provided with one coat red oxide paint.
FINISH to burglar proofing same as for windows.

225 x 0,5 mm Thick galvanised pressed profiled and coverstrips – to be fixed to manufacturers metal fascia board with connecting clip brackets
Specification or equal approved.

Standard facebrick work in stretcher bond with all joints to be 10 mm deep square recessed.

0,6 mm Thick galvanised iron roof ridge capping

ROOF :
0,6 mm Thick Galvanised corrugated iron roof sheeting laid to manufacturers specification to a 20 degree pitch on
225 x 0,5 mm Thick galvanised pressed profiled metal fascia board with connecting clip brackets and coverstrips – to be fixed to manufacturers Specification or equal approved.
Exposed rafters at roof overhangs and covered stoop to be treated with a wood primer coat: one undercoat and two coats of enamel paint.

Standard industrial type mildsteel windows provided with one coat factory applied red oxide paint.

BURGLAR BARS :
Standard burglar proofing to windows to NB2 pattern provided with one coat red oxide paint.
FINISH to burglar proofing same as for windows.

Standard facebrick work in stretcher bond with all joints to be 10 mm deep square recessed or plaster and paint finish (Micatex) as specified.

FURNITURE STOP AT CLASSROOMS :
WROT SA PINE :
Furniture stop consisting of 152 x 38 mm top board with rounded front edges

DOORS TO CLASSROOMS :
2 032 x 813 x 44 mm Thick C.K.S. framed batten door of 44 x 150 mm stiles and top rail and 22 x 150 mm ledges and braces and 22 x 230 mm bottom rail with 22 mm V – jointed boarding one side and filled in at back with 6 mm plywood panel with veneer to match door let into and including rebates all round.

STORMWATER PRECAST CONCRETE CHANNELS :

20 MPa Precast Concrete Channels :
600 x 250 mm Thick concrete channel with half – round channel 400 mm wide and 100 mm deep finish smooth on external faces in 1 000 mm lengths including bedding , jointing and pointing in cement mortar including all framework , excavation , filling in and ramming , on and including a 150 mm base course compacted to 93 % AASHTO density.
200x100x60mm Thick Standard grey – 15 MPa pavers around building. With 60mm fall

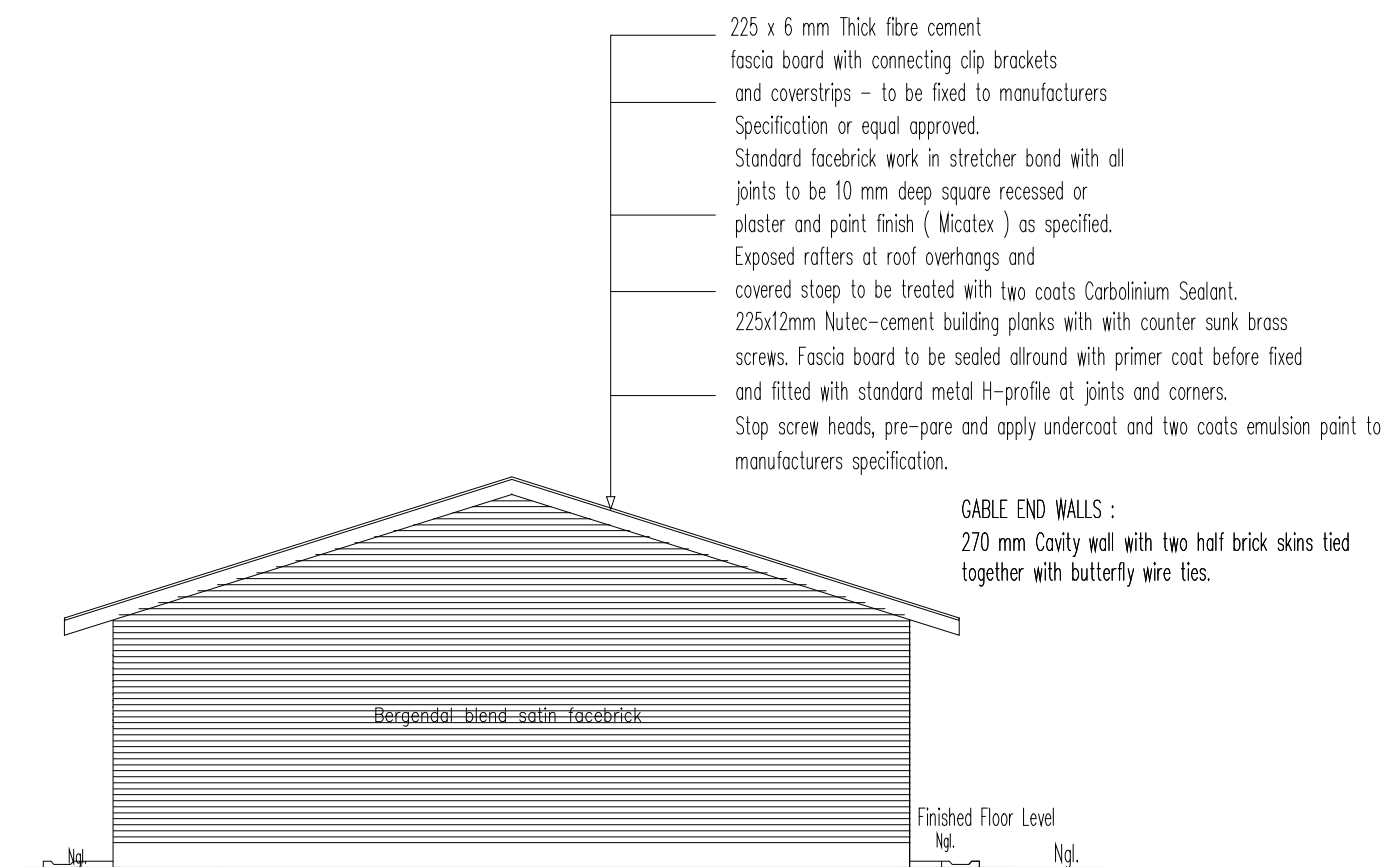
COMPACTION OF SURFACES :
Compacting of ground surfaces under paving etc. including scarifying for a depth of 150 mm , breaking down oversize material , adding suitable material where necessary and compacting to 98 % MDD AASHTO density.

CABLE END WALLS :
270 mm Cavity wall with two half brick skins tied together with butterfly wire ties.

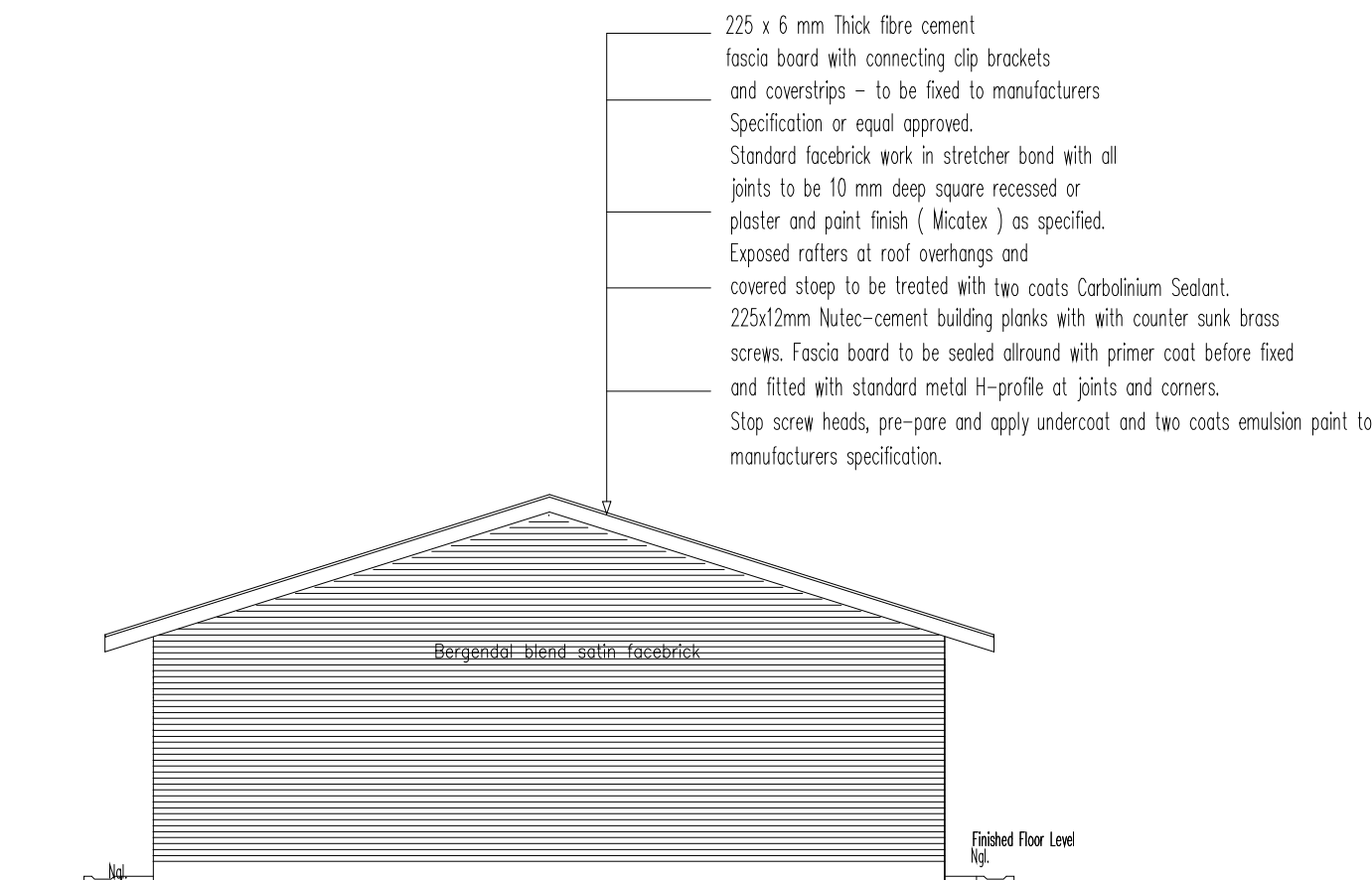
Flortime Premier pinning boards only against back wall in Classrooms – 6 900x1 200mm with 50x25mm rebated meranti surround.

COMPACTION OF SURFACES :
Compacting of ground surfaces under paving etc. including scarifying for a depth of 150 mm , breaking down oversize material , adding suitable material where necessary and compacting to 98 % MDD AASHTO density.

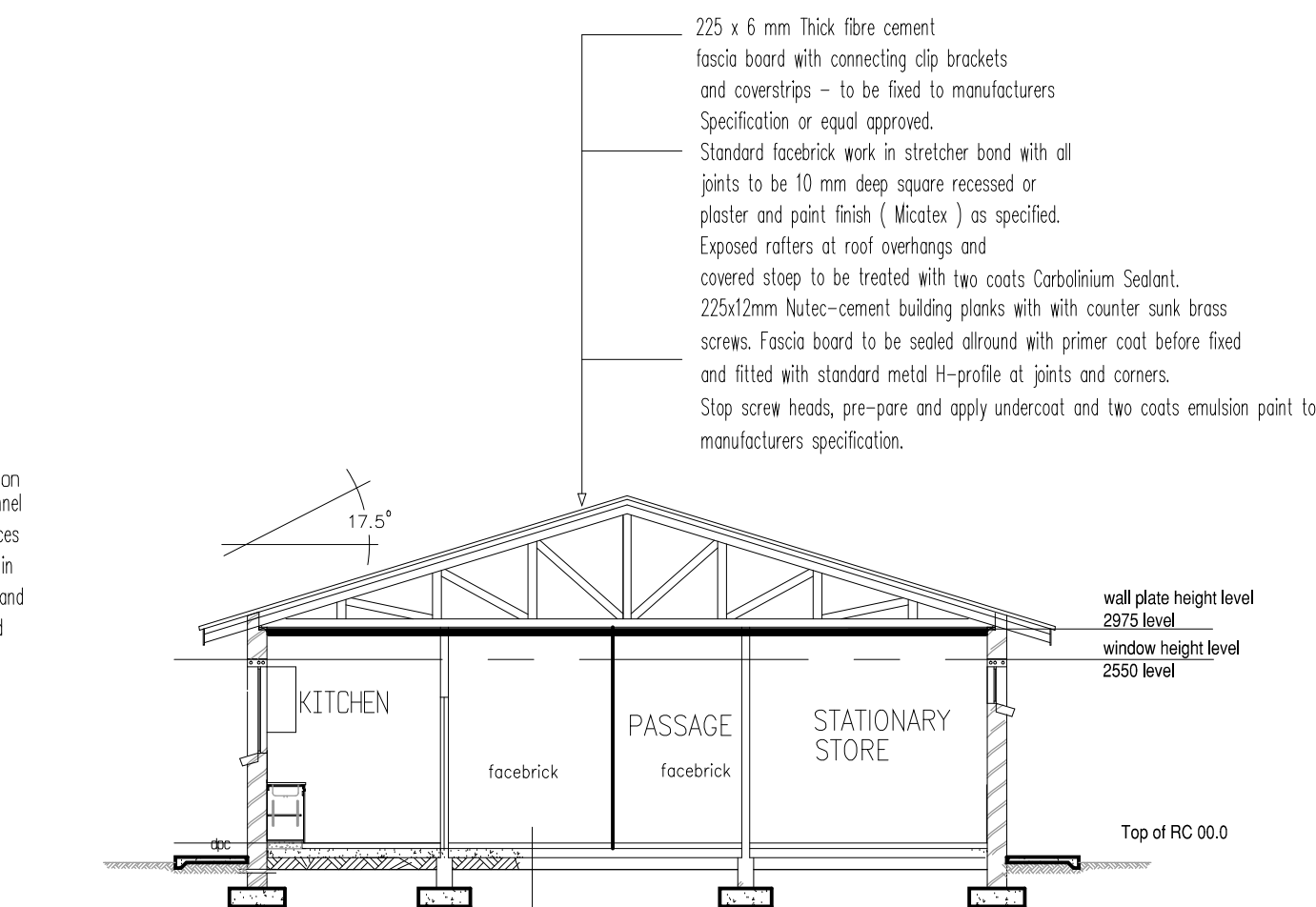
EXPANSION JOINT
150x2mm thick mild steel plate– twice bend coverplate. Only one side fixed to wall



SOUTH ELEVATION
Scale 1:100



NORTH ELEVATION
Scale 1:100



SECTION A-A
Scale 1:100

FLOOR :
64 x 12 mm Thick Meranti skirting board with 12 mm Quarter round nailed to wall. All nails to be punched and filled.
300x300x 2,5mm Thick Semi-flexible vinyl floor tiles, allow for two colour pattern on 25 mm Thick cement screed on 80 mm Thick concrete surface bed on 25 mm Thick concrete screed on 250 MICRON Polithane waterproofing membrane-GUNPLAS USB GREEN– All side over laps sealed with " GUNPLAS " – Sensitive tape on Compacted ground filling in layers of maximum 150 mm thick (93 % AASHTO). 15 mm Thick Bitumen impregnated insulation board between edge of surface bed not exceeding 300 mm thick and brick walls.
POISONING – at ground against termites , all external foundation walls , foundations , concrete surface beds with – CHLORDANE HEPTACHLOR ALDRIN or other approved to comply with SABS 0124 , with 25mm thick riversand over poison PROVIDE – A Certificate for poisoning of ground to the Department

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Number	REVISION
Drawn by	
Date	
DO	
XXXXXXXXXX	
XXXXXXXXXX	

NOTES:
CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm o WIRE BUILT INTO WALLS.
R.TE. BEAMS 152mmx38mm. RAFTERS 114mmx38mm.
76mmx38mm. WALL PLATES.
6mm GYPSUM BOARD CEILINGS
100mm GUTTER 76mm o DOWNPIPES.
READ DIMENSIONS IN PREFERENCE TO SCALING

ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS
DRAINAGE NOTES:
SOIL DRAIN 100 o P.V.C.
WASTEPIPES 38 & 52mm o P.V.C.
VENTPIPES 100mm o P.V.C.
IE'S AT EVERY BENT AND CHANGE OF DIRECTION
SEWER PIPE UNDER BUILDING TO BE ENCASED WITH 100mm THICK CONCRETE

GLASS IN WINDOWS:
0–0,75 m 3mm
0,75 m –1,5 m 4mm
1,50 m –2,0 m 6mm
SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
SKUIFDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

IMPLEMENTING CLIENT:



CLIENT:



PROJECT:

PROPOSED NEW ADMINISTRATION BLOCK FOR A SCHOOL FOR THE DEPARTMENT OF EDUCATION

NORTHERN CAPE

Consultant

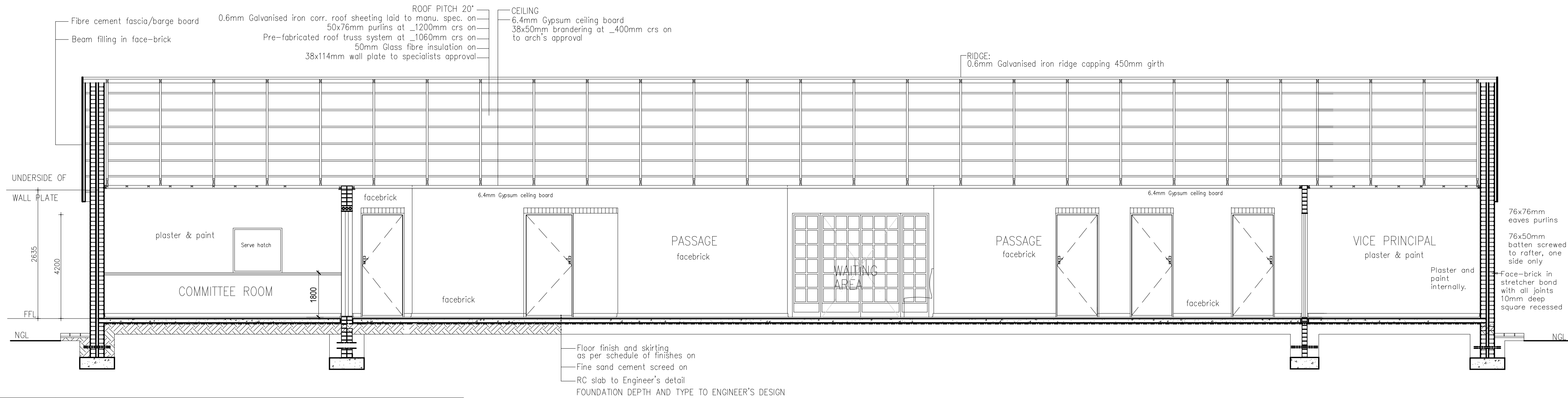


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kaho@miweb.co.za

DRAWING TITLE:

MEDIUM ADMINISTRATION BLOCK
PLAN, SECTION & ELEVATIONS
SCALE 1:100

Client signature		architect signature	
DRAWN BY:		DATE:	
M. Modise		October 2018	
FILE NUMBER:		SCALE:	
2018-MEDIUM ADMIN.		1:100	
DRAWING NUMBER:		REVISION:	
MEDIUM ADMIN PLAN -100		R0	
DRAWING STATUS:			
Info only	Tender		For constr.



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- ALLE WERK MOET VOLDOEN AAN PLAASLIKE STADSRAADS-REGULASIES.

Number	REVISION
Drawn by	
Date	
RO	
XXXXXX04	XXXXXXXXXX

NOTES:

CONCRETE MIXTURE 5:4:1

SCREED MIXTURE 5:1

FLOOR COVERINGS TO OWNER'S CHOICE.

TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm o WIRE BUILT INTO WALLS.

THE BEAMS 152mmx38mm. RAFTERS 114mmx38mm.

76mmx38mm WALL PLATES.

6mm GYPSUM BOARD CEILINGS

100mm GUTTER 76mm o DOWNPIPES.

READ DIMENSIONS IN PREFERENCE TO SCALING

ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS

DRAINAGE NOTES:

SOL DRAIN 100 o P.V.C.

WASTEPIPES 38 & 52mm o P.V.C.

VENTPIPES 100mm o P.V.C.

IE's AT EVERY BENT AND CHANGE OF DIRECTION

SEWER PIPE UNDER BUILDING TO BE ENCASED WITH 100mm THICK CONCRETE

GLASS IN WINDOWS:

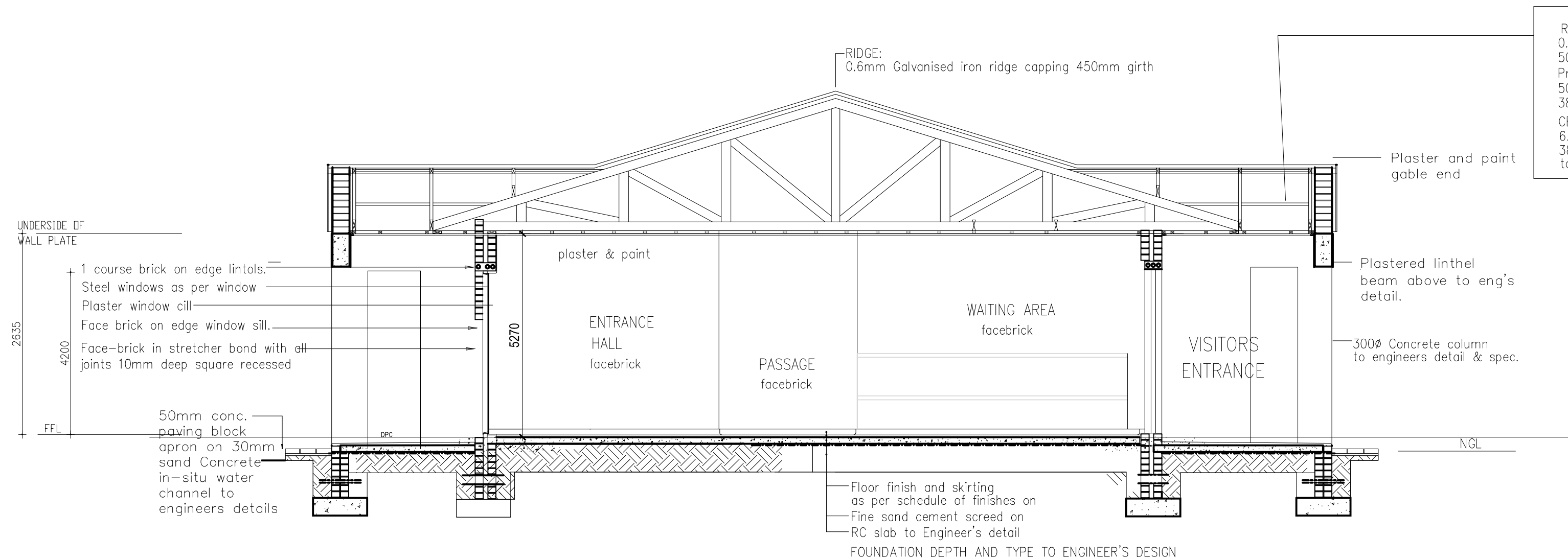
0-0,75 m 3mm

0,75 m -1,5 m 4mm

1,50 m -2,0 m 6mm

SLIDING DOORS 6,5mm SAFETY GLASS & MARKER

SKUIFDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

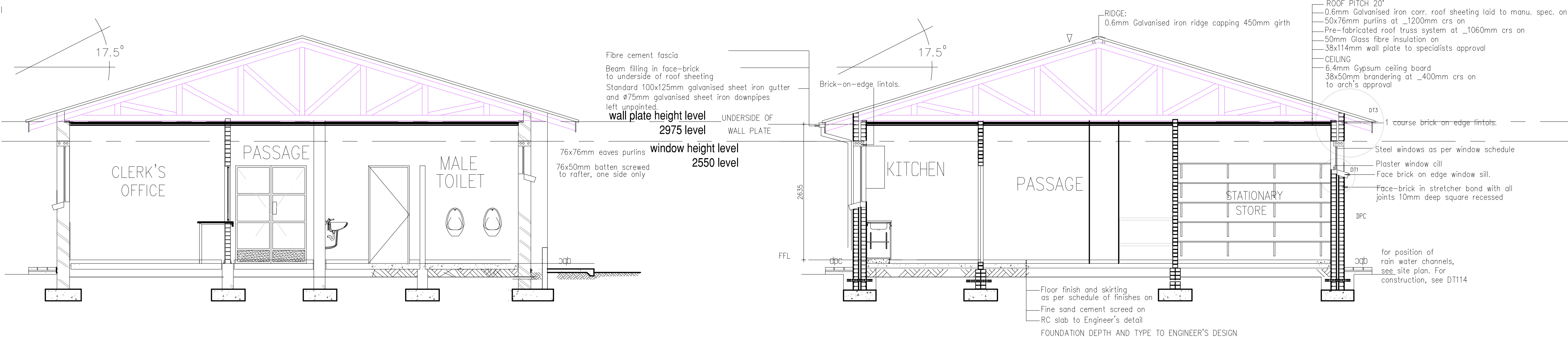


ROOF PITCH 20°


0.6mm Galvanised iron corr. roof sheeting laid to manu. spec. on 50x76mm purlins at ±1200 mm cts on Pre-fabricated roof truss system at ±1062 mm cts on 50mm Glass fibre insulation on 38x114mm wall plate to specialists approval

CEILING

6.4mm Gypsum ceiling board 38x50mm brandering at ±400 mm cts on to arch's approval



IMPLEMENTING CLIENT:

 **the dr&pw**

Department:
Roads and Public Works
NORTHERN CAPE PROVINCE
REPUBLIC OF SOUTH AFRICA


CLIENT:

 **Northern Cape Department of Education**

PROJECT:

PROPOSED NEW CLASSROOMS FOR A SCHOOL
FOR THE DEPARTMENT OF EDUCATION
5 CLASSROOMS
NORTHERN CAPE

Consultant:

 **kaho architects**

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42 PETRUS STREET
HILLCREST / 8301
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kaho@mweb.co.za

DRAWING TITLE:

MEDIUM ADMINISTRATION BLOCK
SECTION
SCALE 1:20

Client signature		architect signature	
DRAWN BY:		DATE:	
M. Modise		October 2018	
FILE NUMBER:		SCALE:	
2018-MEDIUM ADMIN.		1:100	
DRAWING NUMBER:		REVISION:	
ADMIN SECTIONS -200		R0	
DRAWING STATUS:			
Info only		Tender	
		For constr.	

WINDOW NO.	W1	WALL TYPE – 230 BRICK FACEBRICK	QUANTITY 9	WINDOW NO.	W2	WALL TYPE – 230 BRICK FACEBRICK	QUANTITY 8	WINDOW NO.	W3	WALL TYPE – 230 BRICK FACEBRICK	QUANTITY 5	WINDOW NO.	W4	WALL TYPE – 230 BRICK FACEBRICK	QUANTITY 7	WINDOW NO.	W7	WALL TYPE – 230 BRICK FACEBRICK	QUANTITY 5
LOCATION	Committee room, Clerk's, Secretary's, Deputy Principal and Principal's Office			CODE – G3C4	LOCATION	Stationary, Store room, Disabled toilet, Deputy Principal and Principal's Office			CODE – E2	LOCATION	Kitchen, Waiting area, Sick, Store and Print room.			CODE – C2F	LOCATION	Toilets			CODE – E1
FRAME	1511x1245mm Steel Frame painted.				FRAME	1022x654mm Steel Frame painted.				FRAME	1022x949mm Steel Frame painted.				FRAME	533x654mm Steel Frame painted.			
FRAME FINISH	Gloss enamel painted				FRAME FINISH	Gloss enamel painted				FRAME FINISH	Gloss enamel painted				FRAME FINISH	Gloss enamel painted			
GLAZING	3mm Clear float glass putted in with steel window putty.				GLAZING	3mm Clear float glass putted in with steel window putty.				GLAZING	3mm Clear float glass, except for sick room (obscure glazed) putted in with steel window putty.				GLAZING	3mm obscure glass putted in with steel window putty.			
CILL	EXTERNAL – Face Brick INTERNAL – Plaster window cill				CILL	EXTERNAL – Face Brick INTERNAL – Plaster window cill				CILL	EXTERNAL – Face Brick INTERNAL – Plaster window cill				CILL	EXTERNAL – Face Brick INTERNAL – Plaster window cill			
B.BARS	On opening and fixed sections to this window type.				B.BARS	On opening and fixed sections to this window type.				B.BARS	On opening and fixed sections to this window type.				B.BARS	On opening and fixed sections to this window type.			
FINISH:	Gloss enamel painted.				FINISH:	Gloss enamel painted.				FINISH:	Gloss enamel painted.				FINISH:	Gloss enamel painted.			

DOOR No	D2	WALL	HAND
QUANTITY	7		
CODE	NONE	220 110	LH RH 1 3
LOCATION	CLERK'S OFFICE, KITCHEN, TOILET, STATIONARY AND STORE ROOMS.		
DOOR	2032x813x40mm internal quality Solid flush panel door with approved veneer both sides and 2 concealed edges.		
FRAME	STANDARD PRESSED STEEL (1,2mm THICK) SINGLE WITH 2 PAIR OF HINGES TO SUIT 813x2032x40mm SGL REBATE DOOR		
DOOR FINISH	3 Coats clear varnish.		
FRAME FINISH	GLOSS ENAMEL PAINT.		
TYPE – WALL	PLASTER		

DOOR No	D6	WALL	HAND
QUANTITY	3		
CODE	NONE	220 110	LH RH 6 4
LOCATION	Male and Female toilets		
DOOR	1882x813x40mm internal quality semi solid flush panel door with hardboard both sides and 2 concealed edges.		
FRAME	STANDARD PRESSED STEEL (1,2mm THICK) SINGLE WITH 2 PAIR OF HINGES TO SUIT 813x1962x40mm SGL REBATE DOOR		
DOOR FINISH	GLOSS ENAMEL PAINT on wood.		
FRAME FINISH	1 COAT APPROVED STEEL PRIMER – FACTORY COATED REFER TO FINISHING SCHEDULE		
TYPE – WALL	PLASTER		

DOOR No	D3	WALL	HAND
QUANTITY	4		
CODE	NONE	220 110	LH RH 2 2
LOCATION	PRINCIPAL, DEPUTY PRINCIPAL, SECRETARY'S OFFICE AND PRINT ROOM		
DOOR	2032x813x40mm internal quality semi Solid flush panel door with fan light and approved veneer both sides and 2 concealed edges.		
FRAME	STANDARD PRESSED STEEL (1,2mm THICK) SINGLE WITH 2 PAIR OF HINGES TO SUIT 813x2400x40mm SGL REBATE DOOR		
DOOR FINISH	3 Coats clear varnish.		
FRAME FINISH	GLOSS ENAMEL PAINT.		
TYPE – WALL	PLASTER INTERNALLY & FACE BRICK EXTERNALLY		

DOOR No	D7	WALL	HAND
QUANTITY	2		
LOCATION	ENTRANCE HALL		
DOOR	CLIP44 SHOPFRONT SYSTEM DOUBLE HINGED ALUMINIUM DOOR QTY x2 (762x2134mm HIGH) 6,38 LAMINATED SAFETY GLASS IN NEOPRENE CHANNEL		
FRAME	2134x1524mm BRONZE ANODISED ALUMINIUM.		
DOOR FINISH	BRONZE ANODISED ALUMINIUM		
FRAME FINISH	BRONZE ANODISED ALUMINIUM		
WALL TYPE –	Face Brick		

DOOR No	D4	WALL	HAND
QUANTITY	1		
CODE	NONE	220 110	LH RH 1
LOCATION	DISABLED TOILET		
DOOR	1000x2032mm SEMI-SOLID CORE FLUSH PANEL		
FRAME	STANDARD PRESSED STEEL (1,2mm THICK) SINGLE WITH 1 PAIR OF HINGES TO SUIT 1000x2032x40mm DOOR		
DOOR FINISH	REFER TO FINISHES SCHEDULE		
FRAME FINISH	1 COAT APPROVED STEEL PRIMER – FACTORY COATED REFER TO FINISHING SCHEDULE		
TYPE – WALL	PLASTER INTERNALLY & FACE BRICK EXTERNALLY		
GENERAL	WITH STAINLESS STEEL PUSH PLATE AND STAINLESS STEEL KICKPLATE, BOTH TO IRONWORKERY SCHEDULE 150mm Signage by Design Hardware (code B2312)		

DOOR No	D12	WALL	HAND
QUANTITY	1		
LOCATION	ENTRANCE HALL		
DOOR	CLIP44 SHOPFRONT SYSTEM DOUBLE HINGED ALUMINIUM DOOR QTY x1 (1620x2100mm HIGH) SIDE LIGHT PANELS QTY x2 (570x2100mm HIGH) 6,38 LAMINATED SAFETY GLASS IN NEOPRENE CHANNEL		
FRAME	BRONZE ANODISED 'CLIP44' SHOPFRONT SYSTEM		
DOOR FINISH	BRONZE ANODISED ALUMINIUM		
FRAME FINISH	BRONZE ANODISED ALUMINIUM		
WALL TYPE –	PLASTERED		

DOOR No	D5	WALL	HAND
QUANTITY	2		
CODE	NONE	220 110	LH RH 1 1
LOCATION	MALE AND FEMALE TOILETS		
DOOR	2032x813x40mm internal quality semi Solid flush panel door with approved veneer both sides and 2 concealed edges.		
FRAME	STANDARD PRESSED STEEL (1,2mm THICK) SINGLE WITH 2 PAIR OF HINGES TO SUIT 813x2032x40mm SGL REBATE DOOR		
DOOR FINISH	3 Coats clear varnish.		
FRAME FINISH	1 COAT APPROVED STEEL PRIMER – FACTORY COATED REFER TO FINISHING SCHEDULE		
TYPE – WALL	PLASTER INTERNALLY & FACE BRICK EXTERNALLY		

DOOR No	D13	WALL	HAND
QUANTITY	1		
LOCATION	ENTRANCE HALL		
DOOR	CLIP44 SHOPFRONT SYSTEM DOUBLE HINGED ALUMINIUM DOOR QTY x2 (1620x2100mm HIGH) SIDE LIGHT PANELS QTY x2 (810x2100mm HIGH) 6,38 LAMINATED SAFETY GLASS IN NEOPRENE CHANNEL		
FRAME	BRONZE ANODISED 'CLIP44' SHOPFRONT SYSTEM		
DOOR FINISH	BRONZE ANODISED ALUMINIUM		
FRAME FINISH	BRONZE ANODISED ALUMINIUM		
WALL TYPE –	PLASTERED		

DOOR No	D14	WALL	HAND
QUANTITY	1		
CODE	NONE	220 110	LH RH 1 1
LOCATION	MALE AND FEMALE TOILETS		
DOOR	2032x813x40mm internal quality semi Solid flush panel door with approved veneer both sides and 2 concealed edges.		
FRAME	STANDARD PRESSED STEEL (1,2mm THICK) SINGLE WITH 2 PAIR OF HINGES TO SUIT 813x2032x40mm SGL REBATE DOOR		
DOOR FINISH	3 Coats clear varnish.		
FRAME FINISH	1 COAT APPROVED STEEL PRIMER – FACTORY COATED REFER TO FINISHING SCHEDULE		
TYPE – WALL	PLASTER INTERNALLY & FACE BRICK EXTERNALLY		

DOOR No	D10	WALL	HAND
QUANTITY	1		
CODE	NONE	220 110	LH RH 6 4
LOCATION	ENTRANCE HALL		
DOOR	CLIP44 SHOPFRONT SYSTEM DOUBLE HINGED ALUMINIUM DOOR QTY x2 (762x2134mm HIGH) 6,38 LAMINATED SAFETY GLASS IN NEOPRENE CHANNEL		
FRAME	2134x1524mm BRONZE ANODISED ALUMINIUM.		
DOOR FINISH	BRONZE ANODISED ALUMINIUM		
FRAME FINISH	BRONZE ANODISED ALUMINIUM		
WALL TYPE –	Face Brick		

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- ALL WORK TO COMPLY TO LOCAL MUNICIPAL BY LAWS.
- ALLE WERK MOET VOLDOEN AAN PLAASLURE STAUSRAADS-REGULASIES.

Number	
Drawn by	
Date	
RD	XXXXXXXXXX
Makoto	
XXXX04	

NOTES:

CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm o WIRE BUILT INTO WALLS.
TIE BEAMS 152mmx38mm. RAFTERS 114mmx38mm.
76mmx38mm WALL PLATES.
6mm GYPSUM BOARD CEILINGS
100mm GUTTER 76mm o DOWNPIPES.
READ DIMENSIONS IN PREFERENCE TO SCALING

ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS
DRAINAGE NOTES:
SOL DRAIN 100 o P.V.C.
WASTEPIPES 38 & 52mm o P.V.C.
VENTPIPES 100mm o P.V.C.
IE'S AT EVERY BENT AND CHANGE OF DIRECTION
SEWER PIPE UNDER BUILDING TO BE ENCASED WITH 100mm THICK CONCRETE
GLASS IN WINDOWS:
0-0,75 m 3mm
0,75 m -1,5 m 4mm
1,50 m -2,0 m 6mm
SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
SKUIDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS



PROJECT:
PROPOSED NEW ADMINISTRATION BLOCK FOR A SCHOOL FOR THE DEPARTMENT OF EDUCATION

NORTHERN CAPE



DRAWING TITLE:
MEDIUM ADMINISTRATION BLOCK
DOOR & WINDOW SCHEDULES
SCALE 1 :100

Client signature		architect signature	
DRAWN BY:		DATE:	CHECKED:
M. Modise		MARCH 2019	
FILE NUMBER:		SCALE:	
		1:100	
DRAWING NUMBER:		REVISION:	
Medium ADMIN d&w-500		R0	
DRAWING STATUS:			
Info only	Tender	For constr.	



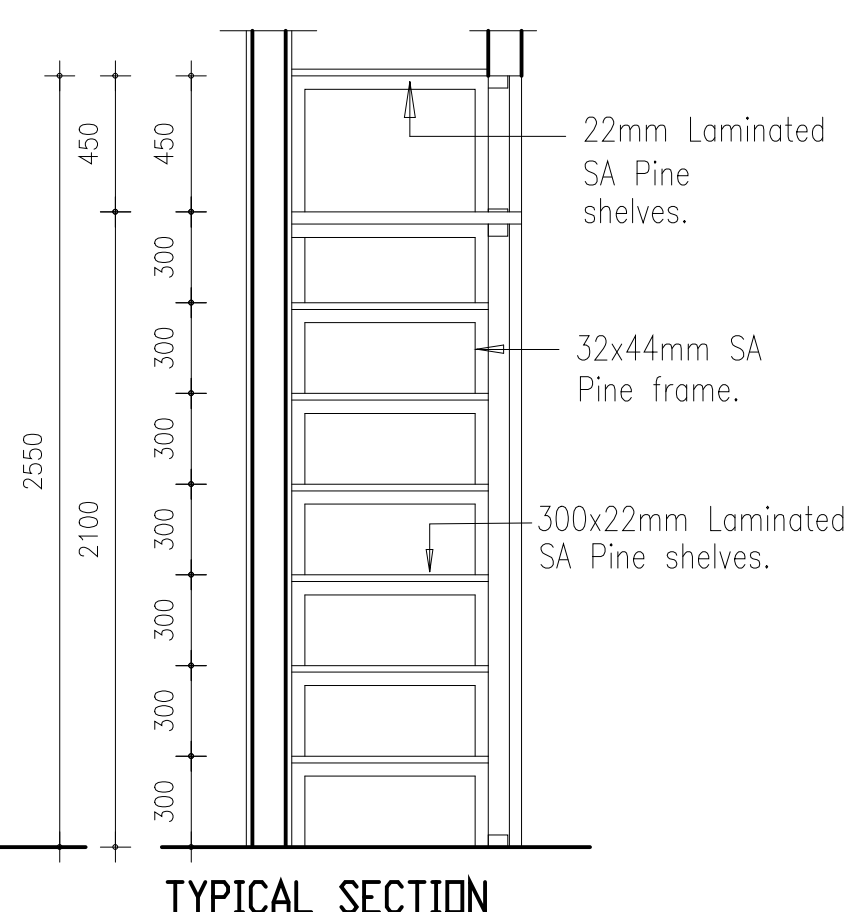
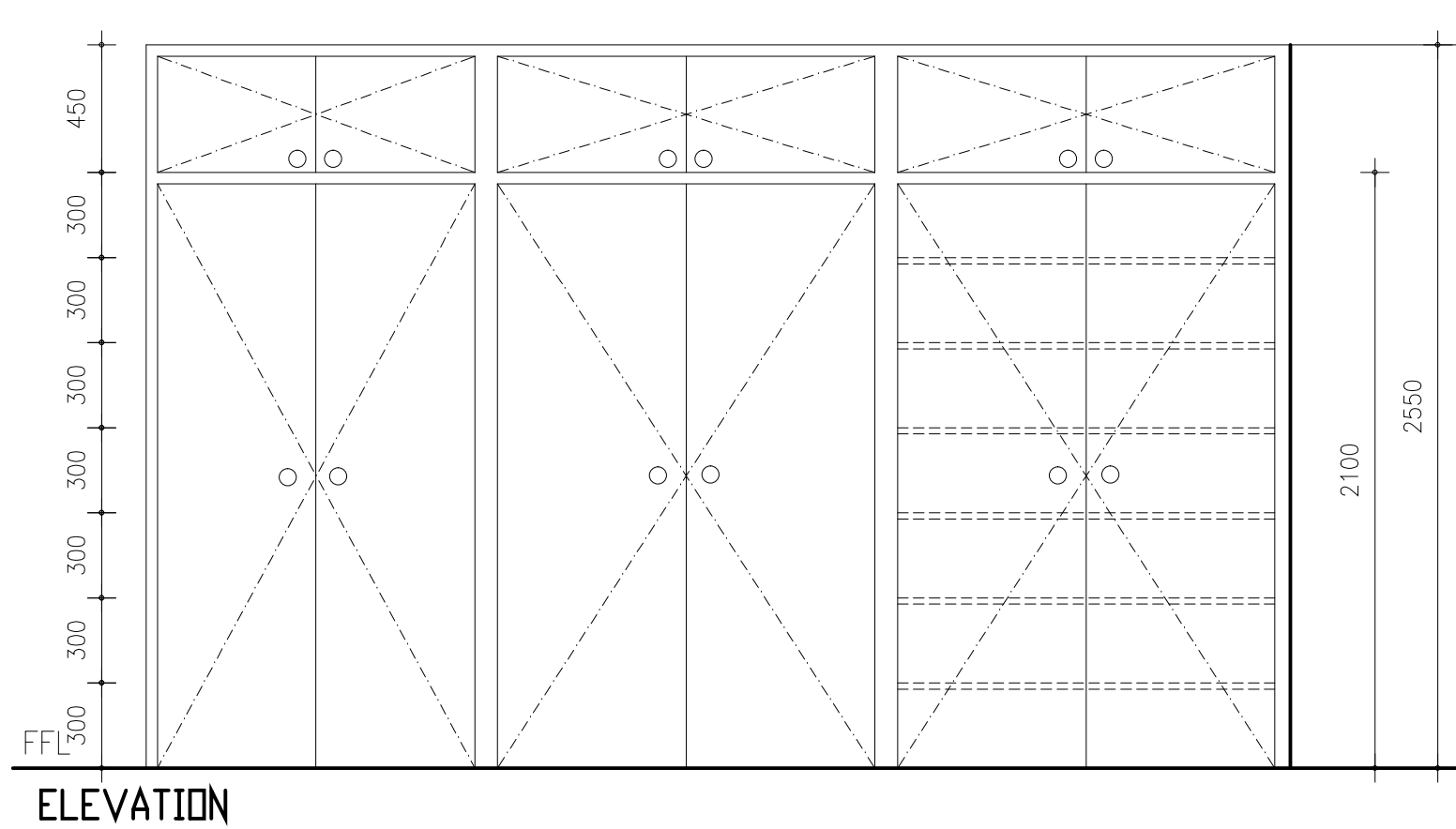
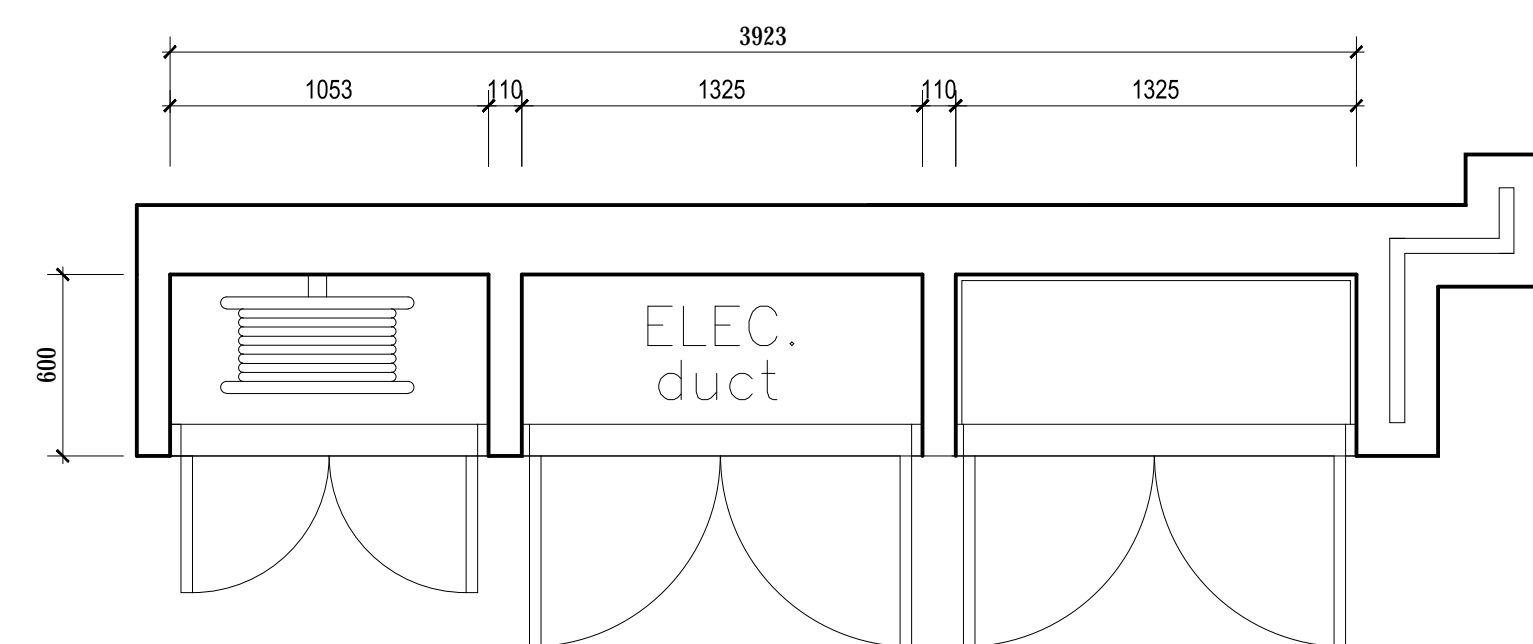
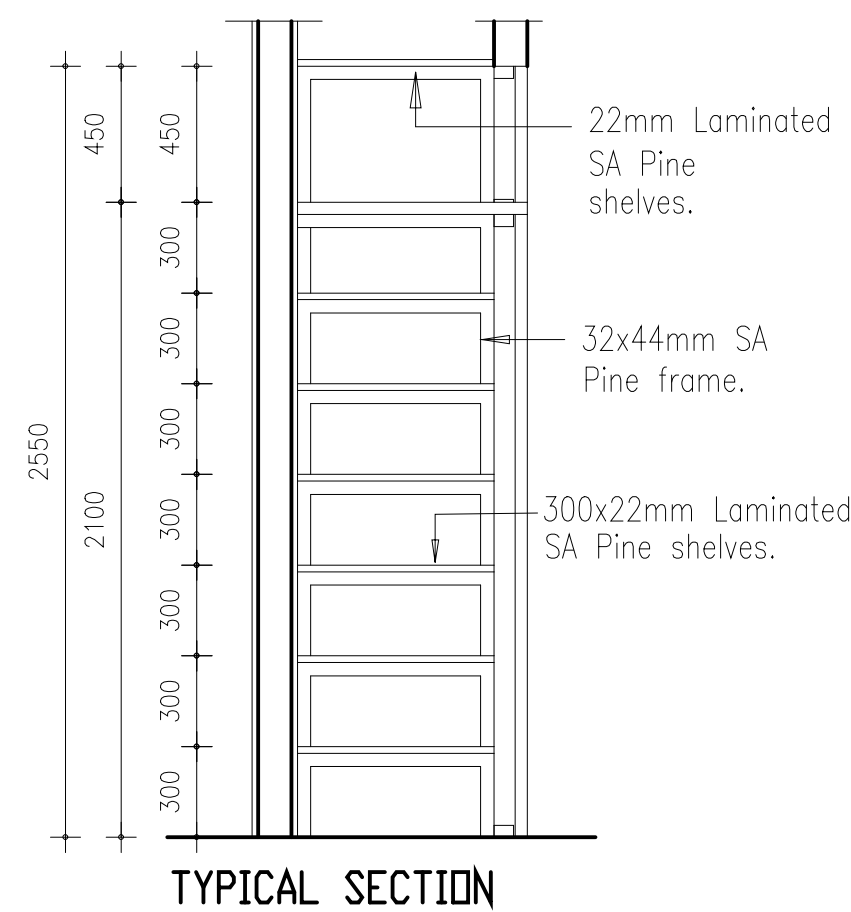
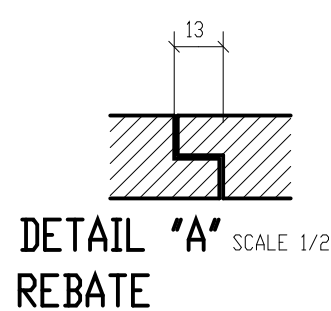
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|----------|------------|
| Number | REVISION |
| Drawn by | |
| Date | |
| R0 | |
| Material | |
| XX/XX/04 | XXXXXXXXXX |

GLASS IN WINDOWS:
0-0,75 m 3mm
0,75 m -1,5 m 4mm
1,50 m -2,0 m 6mm
SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
SKUIFDEURE 6,5mm VEILIGHEIDSGLAS EN MERKERS

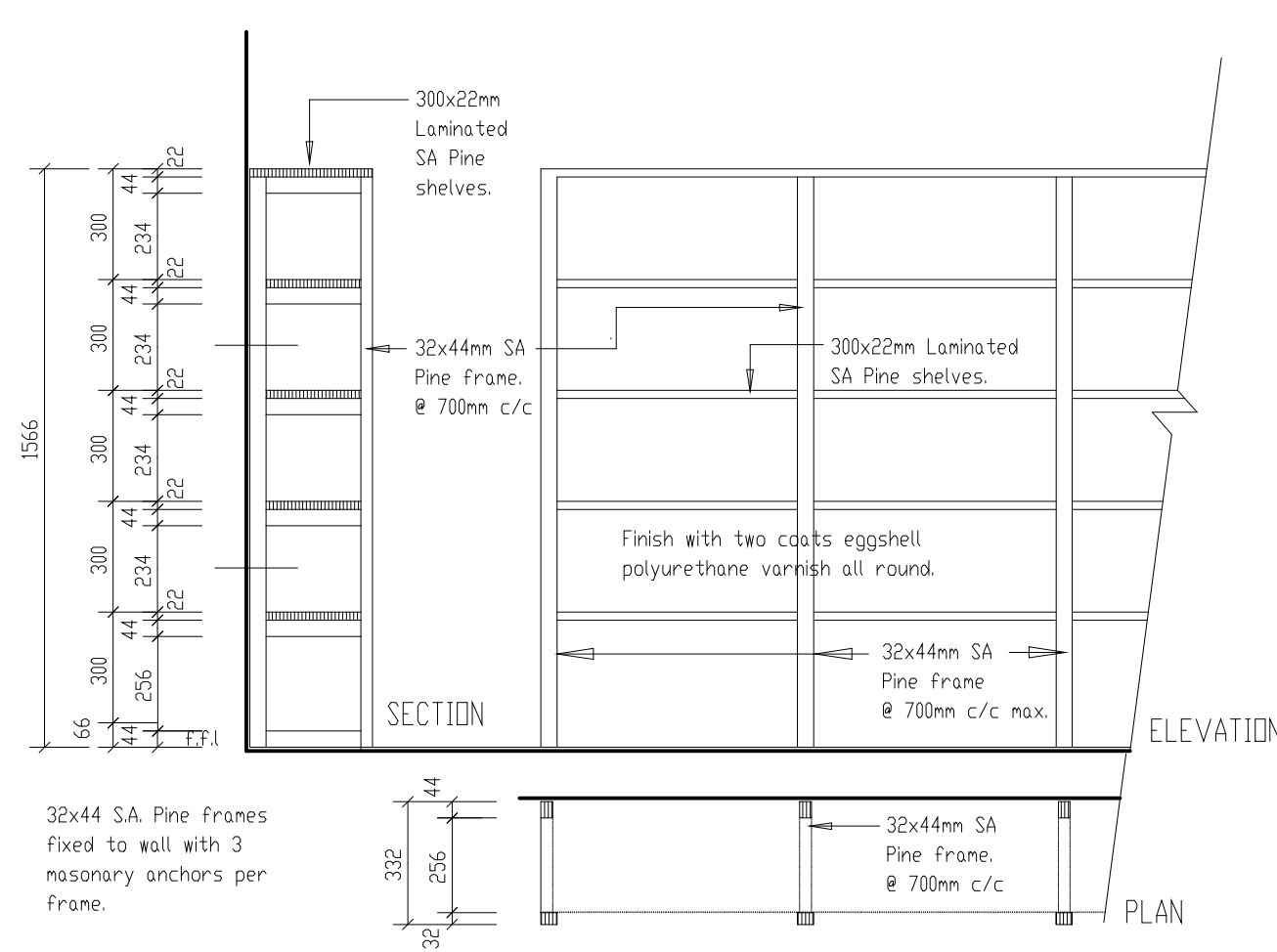


DRAWN BY:		DATE:	CHECKED:
M. Modise		October 2018	
FILE NUMBER:		SCALE:	
2018-MEDIUM ADMIN.		1:100	
DRAWING NUMBER:		REVISION:	
ADMIN DETAILS -402		R0	
DRAWING STATUS:			
Info only	Tender	For constr.	

Info only	Tender	For construc.
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DETAIL No: DT24	DETAIL DESCRIPTION: DETAIL CUPBOURD B	SCALE: 1/25
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DETAIL NO:	SCALE:	DETAIL DESCRIPTION:
DT26B	1/20	SHELVES

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Number	REVISION
Drawn by	
Date	
R0	
Maltrato	
XX/XX/04	XXXXXXXXXX

NOTES:

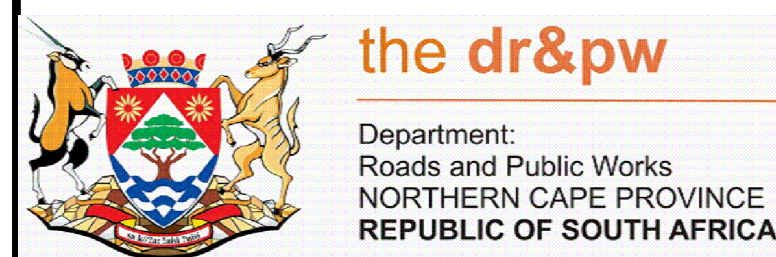
CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm o WIRE
BUILT INTO WALLS.
TIE BEAMS 152mmx38mm, RAFTERS 114mmx38mm,
76mmx38mm WALL PLATES.
6mm GYPSUM BOARD CEILINGS
100mm GUTTER 76mm o DOWNPIPES.
READ DIMENSIONS IN PREFERENCE
TO SCALING

ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS
DRAINAGE NOTES:
SOIL DRAIN 100 o P.V.C.
WASTEPIPES 38 & 52mm o P.V.C.
VENTPIPES 100mm o P.V.C.
IE's AT EVERY BENT AND CHANGE
OF DIRECTION

SEWER PIPE UNDER BUILDING TO BE
ENCASED WITH 100mm THICK CONCRETE

GLASS IN WINDOWS:
0-0,75 m 3mm
0,75 m -1,5 m 4mm
1,50 m -2,0 m 6mm
SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
SKUIFDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

IMPLEMENTING CLIENT:



CLIENT:



PROJECT:

PROPOSED NEW ADMINISTRATION BLOCK FOR A SCHOOL
FOR THE DEPARTMENT OF EDUCATION

NORTHERN CAPE

Consultant



KIMBERLEY
42 PETRUS STREET
HILLCREST / 8301
Tel: 082 414 6824
Fax: 086 6847 441
kaho@mweb.co.za

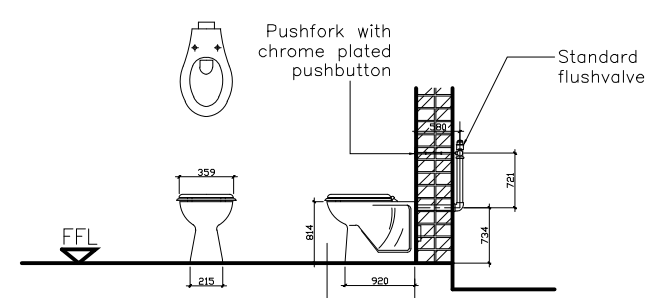
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MEDIUM ADMINISTRATION BLOCK

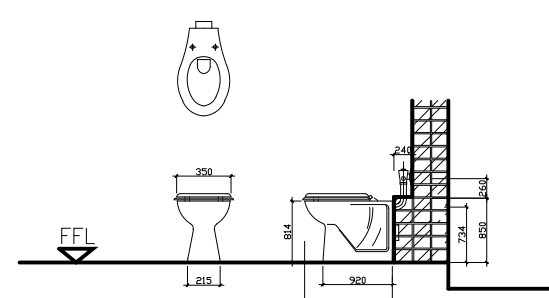
JOINERY SCHEDULES

SCALE 1 :100

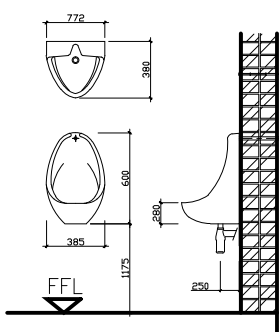
Client signature		architect signature	
DRAWN BY:		DATE:	CHECKED:
M. Modise		MARCH 2019	
FILE NUMBER:		SCALE:	
		1:100	
DRAWING NUMBER:			REVISION:
M-ADMIN JOINERY-400			R0
DRAWING STATUS:			
Info only	Tender	For constr.	



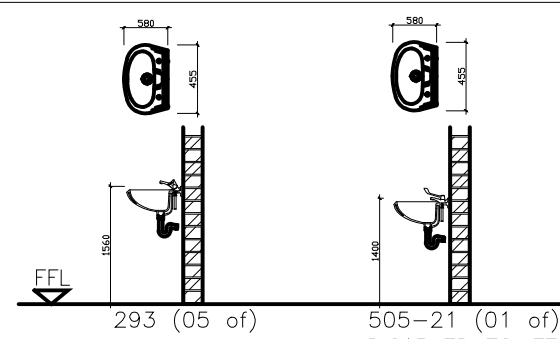
NAME:	PARKTOWN Back Inlet By VAAL or similar
LOCATION:	(BLOCK A) MALE, FEMALE & SICK ROOM TOILETS (BLOCK D) BOYS & GIRLS TOILETS
ITEM:	WC
CODE:	4335
CLOUR:	To be specified
NO. OF:	11
FITTING:	Toilet Flushvalve FM3.402 by COBRA WATERTECH or similar approved.



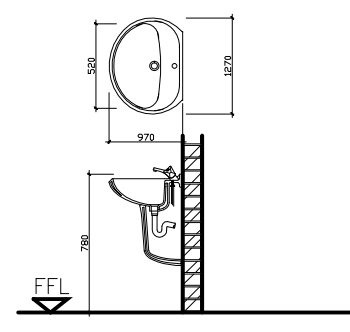
NAME:	PARKTOWN Back Inlet By VAAL or similar
LOCATION:	G58 & G59
ITEM:	DISABLED WC
CODE:	4335
COLOUR:	To be specified
NO. OF:	01
FITTING:	Toilet Flushvalve FM2.210 with C-FM6.80 extended handle for flushmaster by COBRA WATERTECH or similar approved.



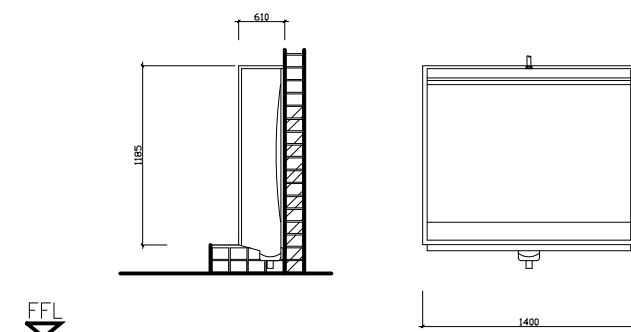
NAME:	Lavatera by VAAAL or similar approved.
LOCATION:	(BLOCK A) MALE TOILET
ITEM:	URINAL
CODE:	704002
COLOUR:	To be specified
NO. OF:	05
FITTING:	Urinal Flushvalve FJ8.102 by COBRA WATERTECH or similar approved.



NAME:	BANTAM cloakroom basin by VAAL
LOCATION:	(BLOCK A) MALE, FEMALE, SICK ROOM AND DISABLED TOILETS
ITEM:	WHB
CODE:	7030
COLOUR:	To be specified
NO. OF:	6
FITTING:	(05) Single Taphole Basin Mixer 293 Carina Style Chrome Plated & (01) Single Taphole Basin Mixer 505-21 Elbow Action Pillar tap by COSRA WATERTECH or similar approved.

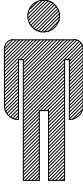




NAME:	Lotus by VAAL or similar
LOCATION:	(BLOCK D) BOYS & GIRLS TOILETS
ITEM:	WHB
CODE:	7026
COLOUR:	To be specified
NO. OF:	6
FITTING:	06 Single Taphole Basin Mixer 293 Corina Style Chrome Plated Pillar top by COBRA WATERTECH or similar approved.

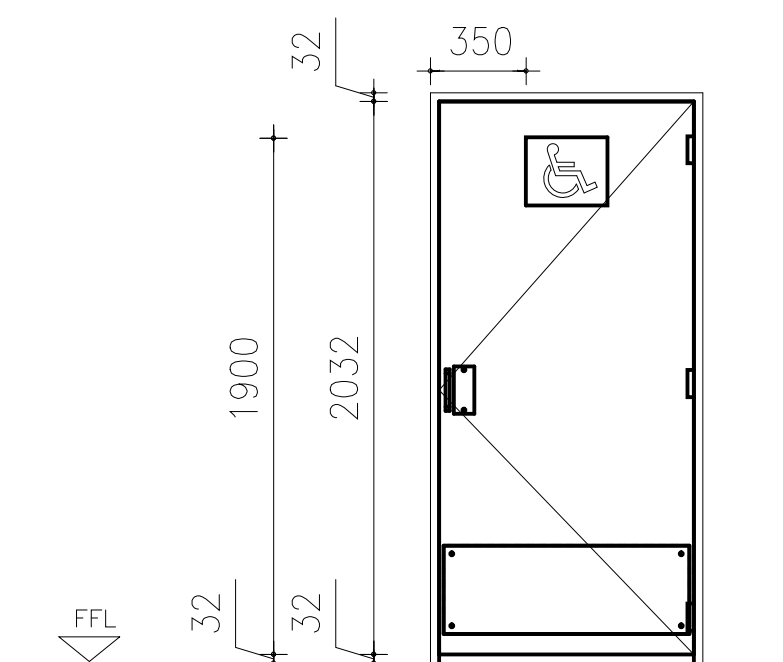


NAME:	Cititmetal Curved back or similar
LOCATION:	(BLOCK D) BOYS
ITEM:	URINAL
CODE:	Model CB102
COLOUR:	stainless steel
NO. OF:	1
FITTING:	Cititmetal model CB102. 1400mm long curved back and 1264mm high with 9 litre, DURANITE vandal proof, cistern in duct, with extended flush pipe and CP. Remote push button centre outlet, chromed flush pipes. All as approved. Urinal out of 304 (18/8) stainless steel

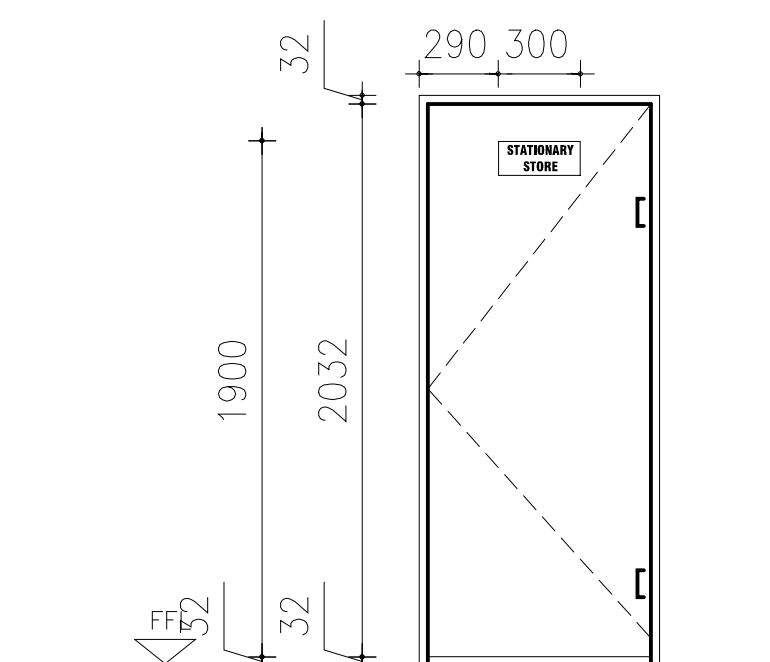
DETAIL NO: N/A	SCALE: NTS	DETAIL DESCRIPTION: SANITARY SCHEDULE
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SIGN & SIZE	LOCATION	TYPE	QUANTITY	GENERAL
<div>RECEPTION</div> <div>500 x 125mm (fixed to wall)</div>	ENTRANCE HALL	3mm thick coloured plastic resin with V-section engraved and painted letters Fixed on wood with chromium round head screws	01	Colour to Architects approval
<div>COMMITTEE ROOM</div> <div>300 x 125mm (fixed to wall)</div>	COMMITTEE ROOM	DITTO	01	Colour to Architects approval
<div>STATIONARY STORE</div> <div>300 x 125mm (fixed to door)</div>	STATIONARY STORE	DITTO	01	Colour to Architects approval
<div>DEPUTY PRINCIPAL</div> <div>300 x 125mm (fixed to door)</div>	DEPUTY PRINCIPAL'S OFFICE	DITTO	01	Colour to Architects approval
<div>PRINCIPAL</div> <div>300 X 62mm (fixed to door)</div>	PRINCIPAL'S OFFICE	DITTO	01	Colour to Architects approval
<div>SECRETARY</div> <div>300 X 62mm (fixed to door)</div>	SECRETARY'S OFFICE	DITTO	01	Colour to Architects approval
<div>CLERK</div> <div>300 X 62mm (fixed to door)</div>	CLECK'S OFFICE	DITTO	01	Colour to Architects approval
<div>PRINT ROOM</div> <div>300 X 62mm (fixed to door)</div>	PRINT ROOM	DITTO	01	Colour to Architects approval
<div>STORE 1</div> <div>300 X 62mm (fixed to door)</div>	STORE ROOM 1	DITTO	01	Colour to Architects approval
<div>SICK ROOM</div> <div>300 X 62mm (fixed to door)</div>	SICK ROOM	DITTO	01	Colour to Architects approval
<div>KITCHEN</div> <div>300 X 62mm (fixed to door)</div>	KITCHEN	DITTO	01	Colour to Architects approval
<div>STORE 2</div> <div>300 X 62mm (fixed to door)</div>	STORE ROOM 2	DITTO	01	Colour to Architects approval
<div>TOILET</div> <div>300 X 62mm (fixed to door)</div>	SICK ROOM TOILET	DITTO	01	Colour to Architects approval
<div>  <div>250 X 300mm (fixed to door)</div> </div>	MALE TOILET	DITTO	01	Colour to Architects approval
<div>  <div>250 X 300mm (fixed to door)</div> </div>	FEAMLE TOILET	DITTO	01	Colour to Architects approval
<div>  <div>250 X 300mm (fixed to door)</div> </div>	DISABLED TOILET	DITTO	01	Colour to Architects approval

DETAIL NO: N/A	SCALE: NTS	DETAIL DESCRIPTION: ADMINISTRATION BLOCK SIGNAGE SCHEDULE
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TYPICAL FIXING HEIGHT OF SINAGE.



TYPICAL FIXING HEIGHT OF SINAGE.

DETAIL NO: N/A	SCALE: NTS	DETAIL DESCRIPTION: BLOCK B,C & D SIGNAGE SCHEDULE
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- * ALLE WERK MOET VOLDOEN AAN PLAASLIKE STADSRAADS-REGULASIES.

Number	REVISION
Drawn by	
Date	
R0	
Makerato	
XX/XX/04	XXXXXXXXXX

NOTES:

CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm o WIRE
BUILT INTO WALLS.
TIE BEAMS 152mmx38mm, RAFTERS 114mmx38mm.
76mmx38mm WALL PLATES.
6mm GYPSUM BOARD CEILINGS
100mm GUTTER 76mm o DOWNPIPES.
READ DIMENSIONS IN PREFERENCE
TO SCALING

ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS
DRAINAGE NOTES:
SOIL DRAIN 100 o P.V.C.
WASTEPIPES 38 & 52mm o P.V.C.
VENTPIPES 100mm o P.V.C.
IE's AT EVERY BENT AND CHANGE
OF DIRECTION

SEWER PIPE UNDER BUILDING TO BE
ENCASED WITH 100mm THICK CONCRETE

GLASS IN WINDOWS:
 0-0,75 m 3mm
 0,75 m -1,5 m 4mm
 1,50 m -2,0 m 6mm
 SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
 SKUIFDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

IMPLEMENTING CLIENT



CLIENT



PROJECT:

PROPOSED NEW CLASSROOMS FOR A SCHOOL
FOR THE DEPARTMENT OF EDUCATION
5 CLASSROOMS
NORTHERN CAPE

Consultant

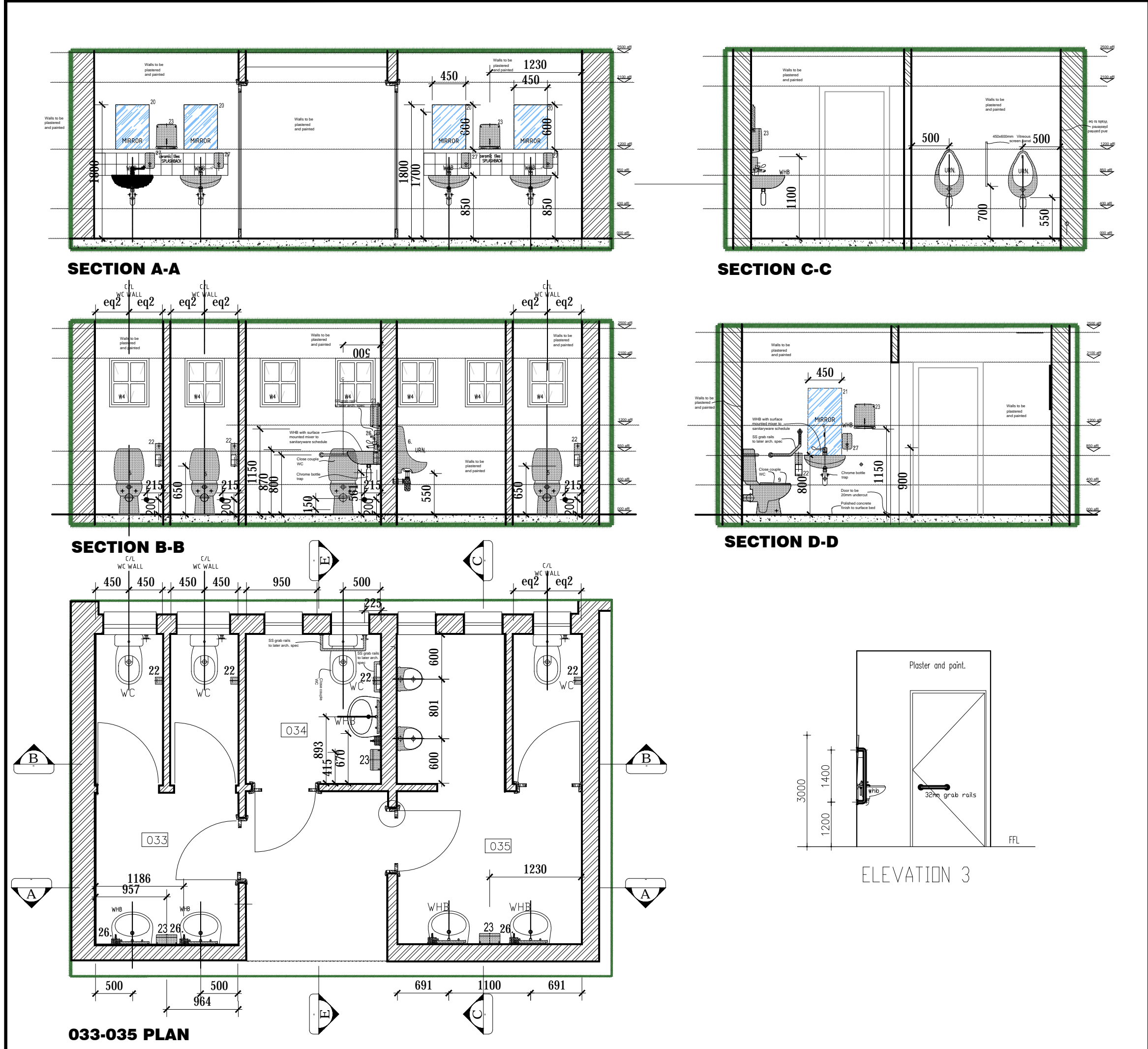


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42 PETRUS STREET
HILLCREST / 8301
Tel: 082 414 6824
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kaho@mweb.co.za

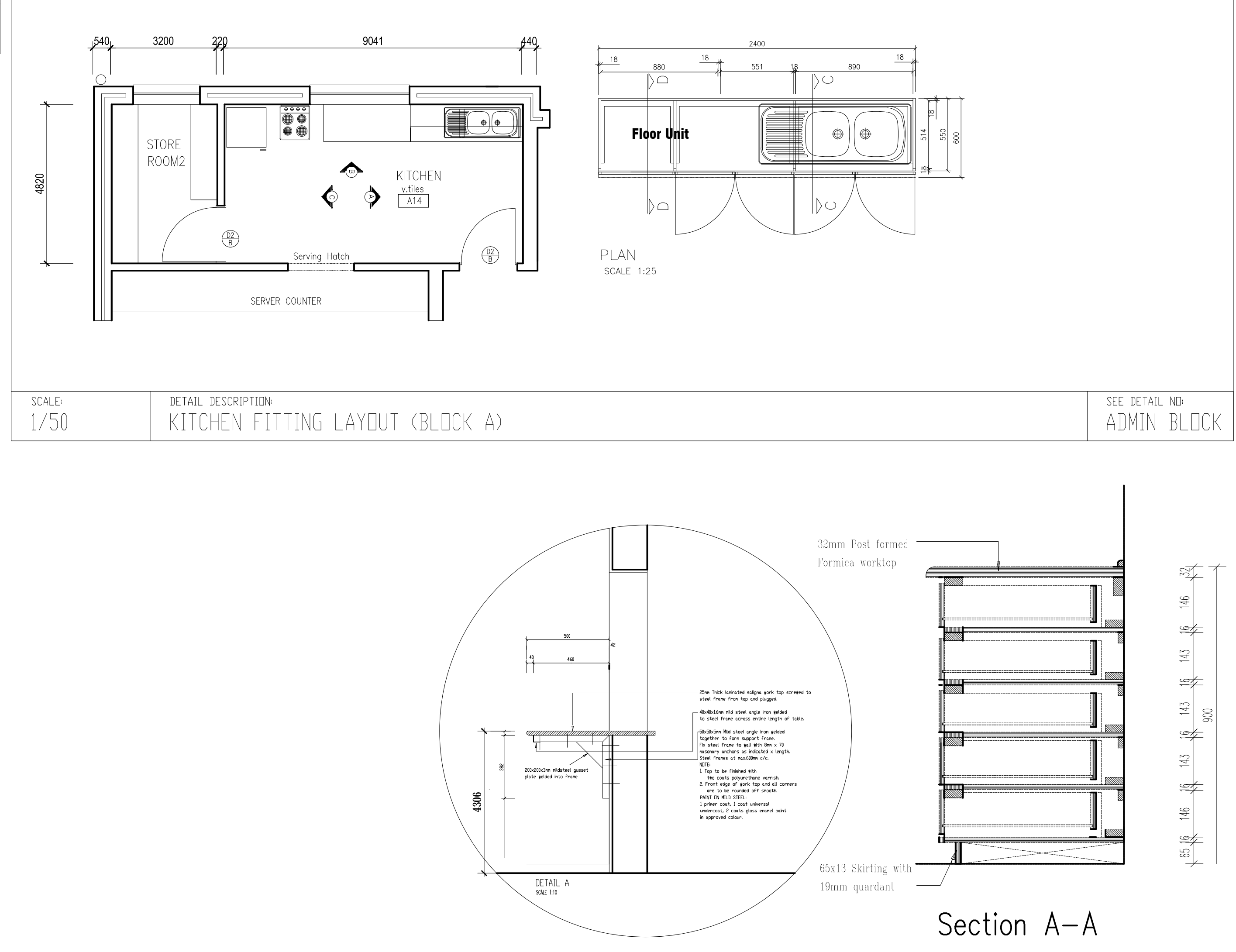
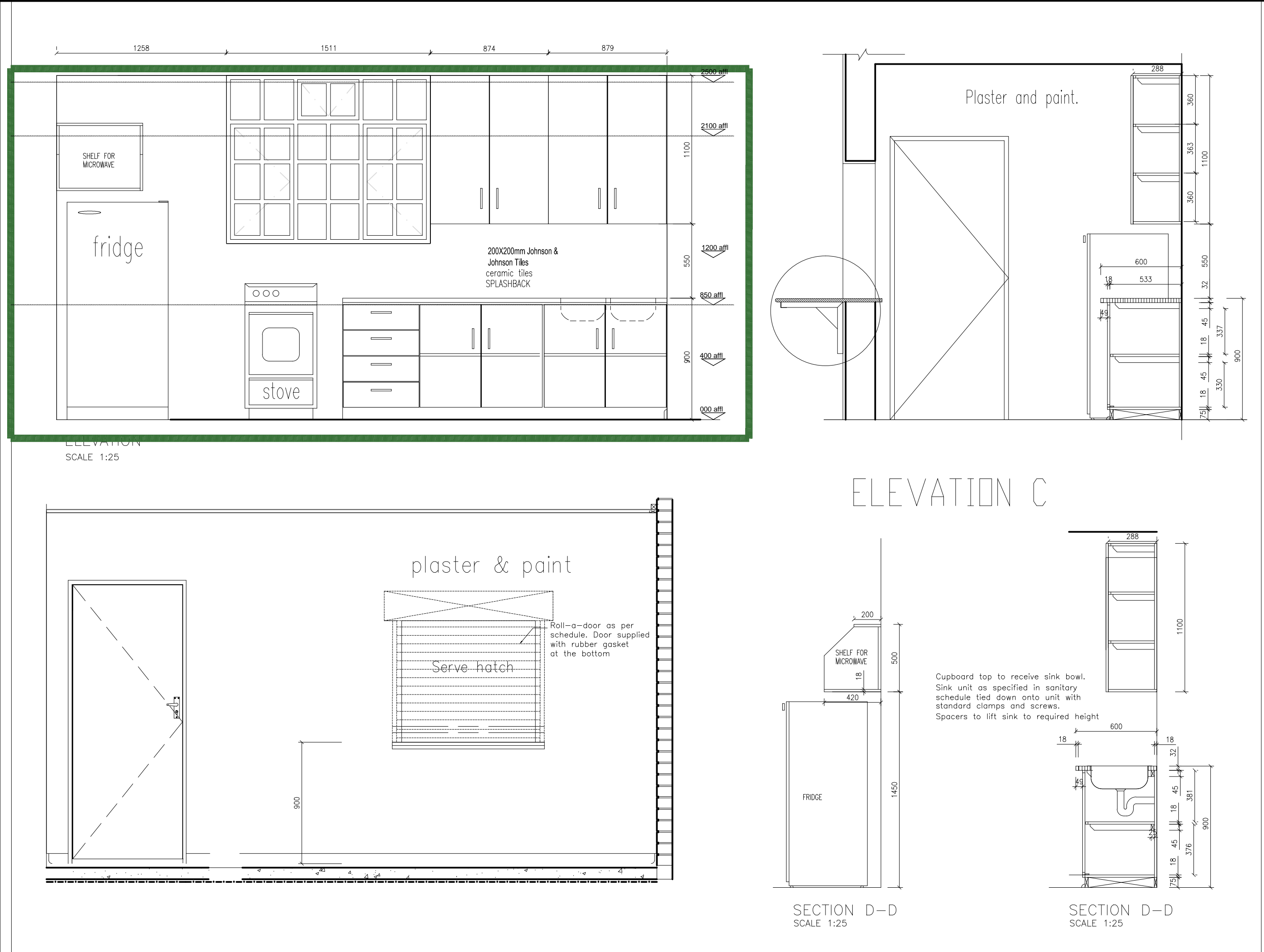
DRAWING TITLE:

MEDIUM ADMINISTRATION BLOCK SANITARY AND SIGNAGE SCHEDULE

Client signature		architect signature	
DRAWN BY:		DATE:	
M. Modise		October 2018	
FILE NUMBER:		SCALE:	
2018-MEDIUM ADMIN.		1:100	
DRAWING NUMBER:			REVISION:
sanitary/signage -403			R0
DRAWING STATUS:			
Info only	Tender	For constr.	



SCALE: 1/25	DETAIL DESCRIPTION: MALE / FEMALE /DISABLED TOILETS LAYOUT (BLOCK A)	SEE DETAIL NO: ADMIN BLOCK
MATERIAL SPECIFICATIONS		
ITEM	DESCRIPTION	
WORKTOPS	- 600 x 32mm "Formica Lifeseal Worktop" modern square profile with tight radius with edging strips included on sides Colour: WHITE MYRIAD TEXTURED Finish: Standard	
EXPOSED SHELVES	Type: B & C - 18mm thick medium density fibreboard, with Melamine Finish to both sides and PVC edge strips. Shelves to be fixed to steel brackets from beneath with 4mm diam. x 16mm chromium plated panhead selftapping screws. Colour: WHITE Type: B2 & C2 - 50 x 18mm slots. - medium density fibreboard, with Melamine Finish to both sides and PVC edge strips. Shelves to be fixed to steel brackets from beneath with 4mm diam. x 16mm chromium plated panhead selftapping screws. Colour: WHITE	
B.I.C DOORS	- MELAWOOD 16mm thick medium density fibreboard, with Melamine Finish to both sides. Colour: CAMDEN Provide 16mm thick matching edging strip to all edges. - Hinges: MEPLA or GRASS ssp 180 heavy duty semi concealed hinge approved. - Handles: "SOLID" 111mm 'Sesame Pull Straight' Aluminium pull handle, with bolt through fixing. Product Code: AL578. Finish: Anodised Silver.	
INTERNAL SHELVES (B.I.C ONLY)	- 18mm thick medium density fibreboard, with Melamine Finish to both sides and PVC edge strips. Colour: WHITE	
CUPBOARD DIVISIONS	- 16mm thick medium density fibreboard, with Melamine Finish to both sides. Colour: WHITE Provide 4x 350 x24mm B1583 brass plated shelf support strip with 4x brass plated brackets.	
CUPBOARD SIDES	- Provide 16mm thick matching edging strip to front edges. - 16mm thick medium density fibreboard, with Melamine Finish to both sides. Colour: Red Alder 693.	
BACKING BOARD	- 3mm thick medium density fibreboard, with Melamine Finish to facing sides. Colour: WHITE	
INTERNAL BEARERS	- 45 x 22mm Supawood bearers fixed underneath worktop and against wall.	
FLOOR BEARERS	- 76 x 19mm thick Supawood with Melamine Finish to exposed sides and PVC edge strips. Colour: WHITE	
QUADRANT	- 19mm diameter Meranti quadrant fixed to floor bearers ABOVE floor finish. Sand down and finish with clear polyurethane varnish.	
DRAWER	- Drawer structure: SAME AS CUPBOARD DIVISIONS - Drawer front: SAME AS CUPBOARD DOORS - Runner: "Decor City Hardware: DS-7 Telescopic Slide"self closing drawer slide or similar approved. - Handles: SAME AS CUPBOARD DOORS.	
PINNING BOARDS	FLORTIME PREMIER pinning board glued on 12mm Chipboard backing with approved contact adhesive Provide a 60 x 28mm Meranti frame with rebate for backing and pinning board on all 4 edges. Frame finish: Sand down and finish with clear polyurethane varnish. Pinning surface Colour: Misty Grey	
consultant	KAHO ARCHITECTS	date: JUNE 2018 rev: 0



• ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND.
• ALLE MATES MOET OP TERREIN NAGEGAAN WORD ALVORENS WERK IN AANVANG NIEM.
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• ALL WORK TO COMPLY TO LOCAL MUNICIPAL BY LAWS.
• ALLE WERK MOET VOLDOEN AAN PLAASLIKE STAUSRAADS-REGULASIES.

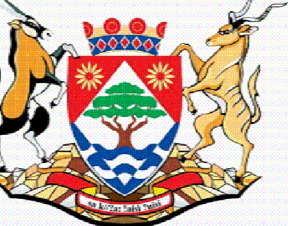
Number	REVISION
10	XXXXXXXXXX
Makato	XXXXX04

NOTES:
CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 C/C, FIXED TO WALLS WITH 2mmx4mm o WIRE BUILT INTO WALLS.
76mmx38mm WALL PLATES.
6mm GYPSUM BOARD CEILINGS
100mm GUTTER 76mm o DOWNPIPES.
READ DIMENSIONS IN PREFERENCE TO SCALING


ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS
DRAINAGE NOTES:
SOL. DRAIN 100 o P.V.C.
WASTEPIPES 38 & 52mm o P.V.C.
VENTPIPES 100mm o P.V.C.
IE'S AT EVERY BENT AND CHANGE OF DIRECTION
SEWER PIPE UNDER BUILDING TO BE ENCASED WITH 100mm THICK CONCRETE

GLASS IN WINDOWS:
0-0,75 m 3mm
0,75 m -1,5 m 4mm
1,50 m -2,0 m 6mm
SLIDING DOORS 6,5mm SAFETY GLASS & MARKER
SKUIFDEURE 6,5mm VEILIGHEIDS GLAS EN MERKERS

IMPLEMENTING CLIENT:

 **the dr&pw**
Department:
Roads and Public Works
NORTHERN CAPE PROVINCE
REPUBLIC OF SOUTH AFRICA


CLIENT:

 **Northern Cape
Department of Education**

PROJECT:

PROPOSED NEW CLASSROOMS FOR A SCHOOL
FOR THE DEPARTMENT OF EDUCATION
5 CLASSROOMS
NORTHERN CAPE

Consultant

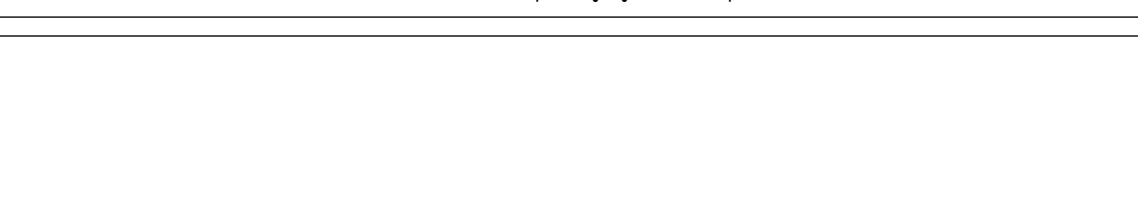
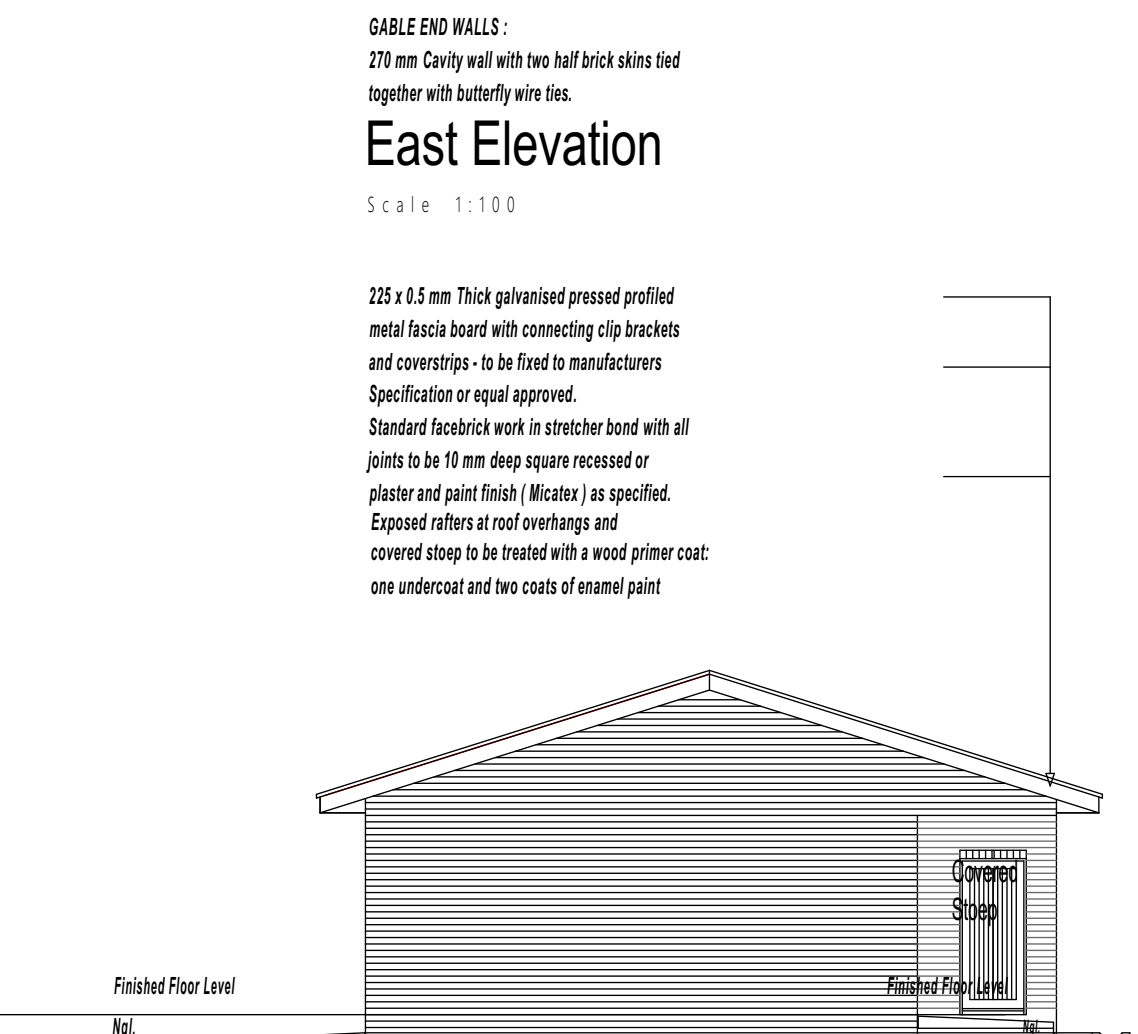
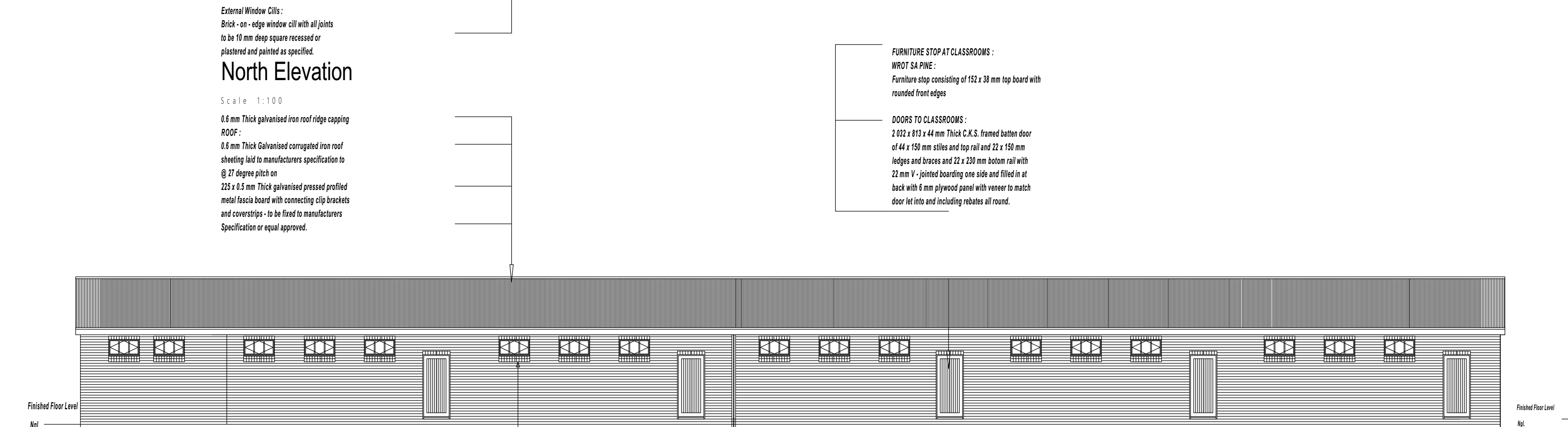
 **kaho**
architects

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kaho@mweb.co.za

DRAWING TITLE:

**MEDIUM ADMINISTRATION BLOCK
ROOM DATA SHEETS**
SCALE 1 :100

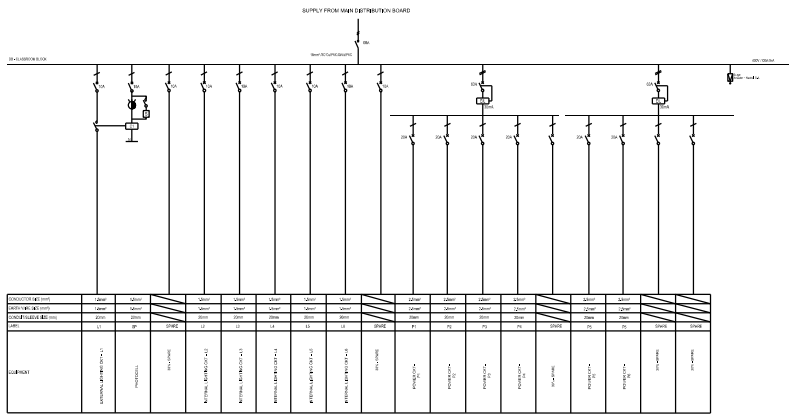
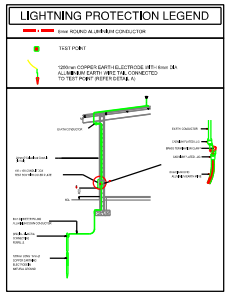
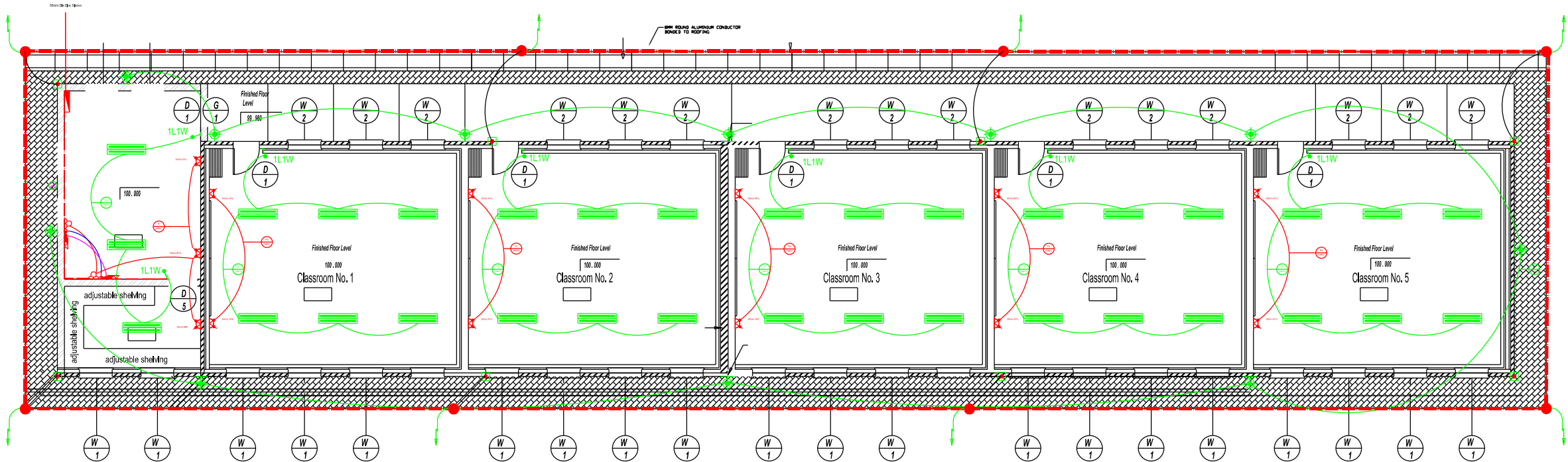
Client signature	architect signature
DRAWN BY: M. Modise	DATE: MARCH 2019
FILE NUMBER:	SCALE: 1:100
DRAWING NUMBER: ADMIN - ROOM DATA - 601	REVISION: R0
DRAWING STATUS:	
Info only	Tender For construc.



LÖR nummer File number		Banksdrift School		Rsk. LÖR Comp. File		STD 541	
Ksafi Scale	1:10	Ontwerp Designed		Dan Tsoai		Getekend Drawn	
Datum Date		18-11-2019		Nagesien Checked			
Revision Suffix							
Tekeningnummer				Drawing number			

STD. 5 - 01

STD. 5 - 01



DISTRIBUTION BOARD CONSTRUCTION AND ELECTRICAL SPECIFICATION													
		MATERIAL TYPE & THICKNESS		FINISH	CABLE ENTRY								
Recessed	X	Weather Proof	12mm	X	PVC	Top	X	Separated Divisions	Colour Main	White	100mm	TBA	Busbar Rating
Semi Recessed	-	Dust Proof	18mm	-	Steel	Bottom	X	Emergency Section	Colour Emergency	Signal Red	Height	TBA	Fault Level
Surface	-	Hinged Panels	2.0mm	-	Epoxy Coat	Gland Plate	-	UPS Section	Colour UPS	Dark Violet	Depth	TBA	Neutral
Floor Standing	-					Back	-	Normal Section	Colour Normal	White			Earth Bar
Doors	X								Spare Capacity	30%			Earth Stud

GENERAL NOTES

ELECTRICAL LEGEND

	2 X 34W LED Lamp Panel Luminaire, Acrylic Diffuser Recessed, Complete with Driver, 1200 x 600mm
	1 X 34W LED Lamp Panel Luminaire, Moisture Proof Surface, Complete with Driver, 1200 x 180mm
	Exterior Surface Mounted Bulkhead, Die Cast Alu, 20W LED Lamp, Opal Polycarbonate Cover, Temperproof
	Photocell
	Light Switch (1L1W, 2L1W)
	16 W LED Indoor Moisture Proof Bulkhead die cast Alu Opal Polycarbonate Cover, Temperproof
	Surface Mounted Interior Bulkhead die Cast Alu 18W LED Lamp, Opal Polycarbonate Cover, Temperproof
	Circuit Identifier
	Stove/Oven Isolator
	Single switch socket
	Double switch socket
	Distribution Board
	Dedicated Power Point in Power Skirting
	UPS Power Point in Power Skirting
	Data Point
	Telephone Point
	2 Tier - 3 Compartment PVC Power Skirting

	PHOTOCELL
	400V RATED BUS BAR
	SINGLE POLE AND NEUTRAL
	TRIPLE POLE AND NEUTRAL
	SWITCH DISCONNECTOR
	CIRCUIT BREAKER
	SURGE ARRESTORPHASE + NEUTRAL
	EARTH LEAKAGE UNIT

ELECTRICAL ENGINEER:



NAME: _____ SIGNATURE: _____

DATE: _____

REV	DATE	DESCRIPTION	APPROVED BY
01	07.09.2020	FOR APPROVAL	
02	05.10.2020	FOR CONSTRUCTION	

PROJECT:

WRENCHVILLE PRIMARY SCHOOL

TITLE:

CLASSROOM BLOCK
SMALL POWER AND LIGHTING LAYOUT

DESIGNED BY:	F.HAMU	CHECKED BY:	M.TSAHA
APPROVED BY:	M.TSAHA	ECSA No.	20140130
		SIGNED:	
DRAWING No.	WRENC/CLASS/PL/01	SCALE: 1 : 100	REV 2

DOOR SCHEDULE	<div><div><div>EXTERNAL Covered Walkway</div><div>INTERNAL Classroom</div></div><div><div>877</div><div>813</div><div>32</div><div>32</div><div>2032</div></div><div><div>INTERNAL Classroom</div><div>EXTERNAL Covered Walkway</div></div><div><div>32</div><div>32</div><div>2032</div></div><div><div>PLAN</div><div>Scale 1:50</div></div><div><div>ELEVATION OF DOOR</div><div>Scale 1:50</div></div><div><div>SECTION THROUGH DOOR</div><div>Scale 1:50</div></div></div>	
DOOR NUMBER	D8	
NUMBER REQUIRED	5 (LH)	
FRAME	12 mm Thick pressed metal double rebated frame with 1.5 pair - 100 mm long steel butt hinges. Frame supplied with a red oxide primer coat. Prepare and apply an undercoat and two coats of gloss enamel paint as specified. Frame for 220 mm Thick wall with plaster one side only.	
DOOR DESCRIPTION	2 032 X 913 X 44 mm C.K.S. Framed batten door of 150 x 44 mm stiles and top rail. 150 x 22 mm Thick ledges and braces as well as 220 x 22 mm bottom rail with 22 mm V-jointed boarding one side and filled in at the back with 6 mm plywood panel with veneer to match door. and including rebates all round.	
FURNITURE	76 mm Two lever upright mortice lock as Union Code 2285-76 or equal approved. Spring loaded GOWER design lever handle as Union Code CZ682 - 24 - 85CH or equal approved. SOLID ART 255 - Rubber buffer type door stop plugged to concrete or equal approved. 60 x 30 x 2 mm Perspex plate with two - 20 mm high engraved letters or numerals. fixed to door frame.	
FINISH	Prepare , stop and apply an undercoat and two coats polyurethane matt varnish to timber doors.	
WINDOW SCHEDULE	<div><div><div>2550</div><div>1445</div><div>1105</div><div>987</div></div><div><div>Unfinished Floor Level</div></div><div><div>TYPE A</div><div>ELEVATION OF WINDOW</div><div>Scale 1:50</div></div></div>	<div><div><div>2550</div><div>511</div><div>2039</div><div>987</div></div><div><div>Unfinished Floor Level</div></div><div><div>TYPE B</div><div>ELEVATION OF WINDOW</div><div>Scale 1:50</div></div></div>
CATALOGUE NUMBER	SS33	SS31
PLAN TYPE	W5	W6
QUANTITY REQUIRED	five Classroom Block : 24	Three Classroom Block : 15
FRAME	Standard SS - INDUSTRIAL TYPE - Steel window section.	Standard SS - INDUSTRIAL TYPE - Steel window section.
GLASS	3 mm Clear float glass panes for window openings. Glazing to steel window frames with putty.	3 mm Clear float glass panes for window openings. Glazing to steel window frames with putty.
BURGLAR BARS	For Burglar Bars see note.	For Burglar Bars see note.
FINISH	GLOSS ENAMEL PAINT : One coat factory applied red oxide primer. Prepare and apply - one coat zinc chromate primer. Apply one coat universal undercoat and two coats gloss enamel paint in approved colour or equal approved.	GLOSS ENAMEL PAINT : One coat factory applied red oxide primer. Prepare and apply - one coat zinc chromate primer. Apply one coat universal undercoat and two coats gloss enamel paint in approved colour or equal approved.
NOTES	BURGLAR BARS : Standard burglar proofing to windows same as WISPECO NBP2 or equal approved. Burglar proofing to be delivered with one coat zinc chromate primer. Finish to burglar proofing same as for windows.	BURGLAR BARS : Standard burglar proofing to windows same as WISPECO NBP2 or equal approved. Burglar proofing to be delivered with one coat zinc chromate primer. Finish to burglar proofing same as for windows.

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- * ALLE WERK MOET VOLDOEN AAN PLAASLIKE STADSRAADS-REGULASIES.

Number	REVISION
Drawn by	
Date	
R0	
Material	XXXXXXXXXX
XXXXX04	

NOTES:

CONCRETE MIXTURE 5:4:1
SCREED MIXTURE 5:1
FLOOR COVERINGS TO OWNER'S CHOICE.
TRUSSES 740 O/C FIXED TO WALLS WITH 2mmx4mm o WIRE BUILT INTO WALLS.
TIE BEAMS 152mmx38mm. RAFTERS 114mmx38mm.
76mmx38mm WALL PLATES.
6mm GYPSUM BOARD CEILINGS
100mm GUTTER 76mm o DOWNPIPES
READ DIMENSIONS IN PREFERENCE TO SCALING

ALL GRADE 6 TIMBER TO COMPLY WITH S.A.B.S. STANDARDS

DRAINAGE NOTES:

SOIL DRAIN 100 o P.V.C.
WASTEPIPES 38 & 50mm o P.V.C.
VENTPIPES 100mm o P.V.C.

IE's AT EVERY BENT AND CHANGE OF DIRECTION

SEWER PIPE UNDER BUILDING TO BE ENCASED WITH 100mm THICK CONCRETE

GLASS IN WINDOWS:

0-0.75 m 3mm
0.75 m -1.5 m 4mm
1.50 m -2.0 m 6mm

SLIDING DOORS 6.5mm SAFETY GLASS & MARKER
SKUIFDEURE 6.5mm VEILIGHEIDS GLAS EN MERKERS

IMPLEMENTING CLIENT:

CLIENT:

PROJECT:

PROPOSED NEW CLASSROOMS FOR A SCHOOL
FOR THE DEPARTMENT OF EDUCATION

5 CLASSROOMS
NORTHERN CAPE

DRAWING TITLE:

STANDARD 5 CLASSROOMS
DOOR & WINDOW SCHEDULES
SCALE 1:100

Client signature		architect signature
DRAWN BY:		CHECKED:
D Tsoai	January 2020	
FILE NUMBER:	SCALE:	
2020-5CLASS		1:100
DRAWING NUMBER:	REVISION:	
5CLASS d&w-500		R0
DRAWING STATUS:		For construc.

