

TENDER

UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT SCMU3-23/24-0750-HO

NAME OF COMPANY:

CSD Nr:

CRS Nr (CIDB):

CLOSING DATE: 26 April 2024

TIME: 11:00 am

Deliver to:

EASTERN CAPE DEPARTMENT OF HEALTH: SUPPLY CHAIN MANAGEMENT OFFICE,

situated at the following address:

GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE), BHISHO

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THE TENDER

PART T1

TENDERING PROCEDURES

PART T1.1: TENDER NOTICE AND INVITATION TO TENDER

T1.1 Tender Notice and Invitation to Tender

The Eastern Cape Department of Health invites contractors with a CIDB Grading of **7GB** or higher in the following Class of works (**7GB or higher**) to tender for the “**Upgrade & Renovations to New Brighton Forensic Pathology Services Laboratory: Nelson Mandela Bay Health District**” for a **13 months’** contract. The contract will be based on the JBCC Edition 6.2 of 2018 and **The Eastern Cape Department of Health** will enter a contract with the successful tenderer.

BID DOCUMENTS MAY BE OBTAINED FROM THE ECDOH & TREASURY WEB SITES AT NO COST:

There will be a compulsory briefing meeting on **02 April 2024**, at **New Brighton Forensic Pathology Laboratory, 7 Mati Road, New Brighton**. Prospective bidders to meet at the at the main vehicle entrance at **11h00**.

Queries & Technical enquiries relating to the issue of these documents may be addressed in writing to Ms. T Notshe via email: thabisa.notshe@echealth.gov.za or Phone: 040 608 9501

The closing time for receipt of tenders by **The Eastern Cape Department of Health** is **11:00am on 26 April 2024**. Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted. Bids must be submitted in sealed envelopes clearly marked “**UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT**” and must be deposited in the bid box of:

EASTERN CAPE DEPARTMENT OF HEALTH: SUPPLY CHAIN MANAGEMENT OFFICE,

Situated at the following address:

GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE), BHISHO.

It is the responsibility of the tenderer/s to ensure that bid documents /proposals are submitted on or before closing time and the correct location as the department will not take responsibility of wrong delivery. Tenderers using courier services for delivery of their bid documents must ensure the delivery is at the correct place / location and time as the department will not be held responsible for wrong delivery. Not delivered to Departmental officials. The Department will not accept responsibility if bids received by officials are not timely deposited in the Bid Box.

Tenders may only be submitted on the tender documentation that is issued. Tenderers must be registered on the National Treasury Central Supplier Data Base and proof of registration must be submitted with the proposal (<https://secure.csd.gov.za>). Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

B. BID EVALUATION:

This bid will be evaluated in Two (2) Stages as follows:

Stage One: Compliance, responsiveness to the bid rules and conditions, thereafter they will be evaluated in terms of Price & Specific Goals.

Stage Two: Price & Specific targeted goals in terms of the Preferential procurement regulations of 2022.

PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT (PPPFA) Price & Specific targeted goals POINTS WILL BE AWARDED AS FOLLOWS:

Maximum points on price	-	80 points
Maximum points for Departmental targeted goals	-	20 points
Maximum points	-	100 points

C. BID SPECIFICATIONS, CONDITIONS AND RULES

The minimum specifications, bid conditions and rules are detailed in the bid document under Tender Data.

The specifications, rules, special conditions of bid, evaluation criteria, and rules for evaluation for compliance to local content and other bid conditions are detailed in the document.

Tender validity period is **90 days**.

D. TENDER SUBMISSIONS:

Bids must be submitted in sealed envelopes/boxes clearly marked: **“UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT”** must be deposited in the tender / bid box:

EASTERN CAPE DEPARTMENT OF HEALTH: SUPPLY CHAIN MANAGEMENT OFFICE,

Situated at the following address:

GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE), BHISHO.

E. ENQUIRIES WITH REGARD TO THIS ADVERT MAY BE DIRECTED TO:

- Ms. T Notshe via email: thabisa.notshe@echealth.gov.za

PART T1.2: TENDER DATA

T1.2 Tender Data

The conditions of tender are the latest edition of SANS 10845-3, *Standard conditions of tender*. SANS 10845-3 makes 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 provisions of SANS 10845-3 and as contained in **Annexure C of Standard for Uniformity in Construction Procurement (Board Notice 423 of 2009 Government Gazette No 42622 of August 2019)**. Each item of data given below is cross-referenced to the clause in SANS 10845-3 to which it mainly applies.

Clause number	Tender Data
3.1	The Employer is Health
3.2	<p>The tender documents issued by the employer comprise the following documents:</p> <p>THE TENDER</p> <p>Part T1: Tendering procedures</p> <p>T1.1 - Tender notice and invitation to tender</p> <p>T1.2 - Tender data</p> <p>Part T2: Returnable documents</p> <p>T2.1 - List of returnable documents</p> <p>T2.2 - Returnable schedules</p> <p>THE CONTRACT</p> <p>Part C1: Agreements and Contract data</p> <p>C1.1 - Form of offer and acceptance</p> <p>C1.2 - Contract data</p> <p>C1.3 - Dispute Resolution Mechanism</p> <p>Part C2: Pricing data</p> <p>C2.1 - Pricing Instructions</p> <p>C2.2 - Bills of Quantities</p> <p>Part C3: Scope of work</p> <p>C3 - Scope of work</p> <p>Part C4: Site information</p> <p>C4 - Site information</p>
3.3	The tender documents issued by the employer comprise the documents listed on the contents page
3.4	<p>The employer's agent is:</p> <p>MDA Architects cc 18 Park Lane Central, Gqeberha</p> <p>Mr. D Angus via email: receptionpe@mdaarch.co.za Phone No. 041 373 0228</p>
3.5	The language for communications is English
3.6	The competitive negotiation procedure shall be applied.
3.7	Procurement Method: Two (2) stage procurement procedure shall be applied.
4	Tender's obligations

4.1	<p>The following tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated:</p> <p>a) contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations, for a CIDB 7GB or Higher class of construction work; and</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> every member of the joint venture is registered with the CIDB; in GB class of works. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations using the CIDB Joint Venture Calculator is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a CIDB 7GB or higher class of construction work or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations (Three contractors registered in contractor grading designation 6 of which the lead partner must be registered in the class of work under consideration or one grade 7 lead partner within the class of work under consideration plus any grade combination within any class of work.) Joint Venture Agreement. Separate SBD 6.1, Specific Goals Claim form, POPIA act Forms with % split clearly indicated to be submitted for each JV partner.
4.2	<p>The employer will compensate the tender as follows JBCC Edition 6.2 of 2018. The employer will not compensate the tenderer for any costs incurred in attending interviews or making any submissions in the office of the employer.</p>
4.3	<p>It is the responsibility of the tenderer to check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.</p>
4.4	<p>Confidentiality and copyright of documents Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.</p>
4.5	<p>Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are incorporated into the tender documents by reference.</p>
4.6	<p>Acknowledge receipt of addenda to the tender documents, which the employer may issue, and, if necessary, apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.</p>
4.7	<p>The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list. Tender documents will not be made available at the clarification meeting</p>
4.8	<p>Seek clarification <i>Request clarification of the tender documents, if necessary, by notifying the employer at least 5 (Five) working days before the closing time stated in the tender data.</i></p>
4.9	<p>Tenderers are required to state the rates and currencies in Rands. Include in the rates, prices, and the tendered total of the prices (if any), all duties, taxes which the law requires to be paid [except value added tax (VAT)], and other levies payable by the successful tenderer, that are applicable 14 days before the closing time stated in the tender data. Show the VAT payable by the employer separately as an addition to the</p>

	<p>tendered total of the prices. Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.</p> <p>State the rates and prices in monetary value of the contract unless otherwise instructed in the tender data.</p>
4.10	<p>Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer or to correct errors made by the tenderer and ensure that all signatories to the tender offer initial all such alterations.</p> <p>Do not make erasures using masking fluid.</p>
4.11	<p>Main tender offers are not required to be submitted together with alternative tenders.</p>
4.12	<p>No alternative tender offers will be considered</p>
4.13.1	<p>Parts of each tender offer communicated on paper shall be submitted as an original. Submit</p> <p>a) the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with a translation of any documentation in a language other than the language of communication established in 3.5, and</p> <p>b) the parts communicated electronically by the employer or its agents on paper format with the tender.</p>
4.13.2	<p>Sign the original and all copies of the tender offer where required in terms of the tender data.</p> <p>State in the case of a joint venture which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.</p> <p>NOTE The employer holds all authorized signatories liable on behalf of the tenderer.</p>
4.13.3	<p>A tender security in the amount of N/A is required and shall remain valid for a period not exceeding N/A days after the closing date for tender offers.</p> <p>The form of the tender security shall not differ substantially from the sample provided in Annex D of SANS 10845-3.</p>
4.13.4	<p>The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p>EASTERN CAPE DEPARTMENT OF HEALTH: SUPPLY CHAIN MANAGEMENT OFFICE,</p> <p>situated at the following address:</p> <p>GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE), BHISHO.</p> <p>Tender / Bid identification details: UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT</p> <p>Closing time and date: As per Tender advertisement</p>
4.13.5	<p>The tenderer is required to submit with his tender the following compulsory certificates:</p> <p>1) a copy of the CSD report showing, amongst other things, that tax matters of the service provider are in order with the South African Revenue Services. <i>In the case of a Joint Venture/Consortium/Sub-contractors each party must submit a separate CSD</i></p>

	<p>report showing, amongst other things, that tax matters of the service provider are in order with the South African Revenue Services.</p> <p>2) CIDB Grading certificate or CRS number.</p> <p>3) COIDA Letter of Good standing from the Department of Labour and/or FEM</p>
4.13.6	A two-envelope procedure will not be required.
4.13.7	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted. The tenderer accepts that the employer does not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
4.14	<p>The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.</p> <p>Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Proof of posting shall not be accepted as proof of delivery.</p> <p>Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of the standard conditions of tender in this part of SANS 10845 apply equally to the extended deadline.</p>
4.15.1	<p>The tender offer validity period is 90 days.</p> <p>Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data. If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period, with or without any conditions attached to such extension. Extend the period of the tender security, if any, to cover any agreed extension requested by the employer.</p>
4.15.2	<p>Placing of contractors under restrictions / withdrawal of tenders</p> <p>If any tenderer who has submitted a tender offer or a contractor who has concluded a contract has, as relevant: withdrawn such tender or quotation after the advertised closing date and time for the receipt of submissions; after having been notified of the acceptance of his tender, failed or refused to commence the contract; had their contract terminated for reasons within their control without reasonable cause; offered, promised or given a bribe in relation to the obtaining or the execution of such contract; acted in a fraudulent, collusive or anti-competitive or improper manner or in bad faith towards the Provincial Government; or, made any incorrect statement in any affidavit or declaration with regard to a preference claimed and is unable to prove to the satisfaction of the Provincial Government that the statement was made in good faith or reasonable steps were taken to confirm the correctness of the statements, such tenderer/s may be placed under restriction from tendering with the state.</p> <p>Procedures are outlined in the EC SCM Policy for Infrastructure procurement and Delivery Management and also on cidb Inform Practice Note #30. Excerpts of the policy can be availed on request of any interested tenderer.</p>
4.16	Access shall be provided for the following inspections, tests and analysis: N/A
4.17	The preferred tenderer will be required to submit an approved insurer undertaking to provide the Performance Bond / Guarantee / Surety / Security to the format and/or standard
5	Employer's undertakings
5.1	<p>The Employer will respond to requests for clarification received up to Five (5) working days before the tender closing time.</p> <p>If, as a result of the issuing of addenda, it is necessary to extend the closing time stated in the tender data, grant such extension and notify all respondents accordingly.</p>
5.2	The employer shall issue addenda until Five (5) working days before tender closing time.

5.3	Tenders will be opened immediately after the closing time for tenders at 11:00am hours .																
5.4	Do not disclose to tenderers, or to any person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.																
5.5	<p>Determine, after opening and before detailed evaluation, whether each tender offer that was properly received</p> <p>a) complies with the requirements of the standard conditions of tender in this part of SANS 10845,</p> <p>b) has been properly and fully completed and signed, and</p> <p>c) is responsive to the other requirements of the tender documents.</p> <p>A responsive tender is one that conforms to all the terms, conditions, and scope of work of the tender documents, without material deviation or qualification. A material deviation or qualification is one which, in the employer's opinion, would</p> <p>d) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the scope of work,</p> <p>e) significantly change the employer's or the tenderer's risks and responsibilities under the contract, or</p> <p>f) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.</p> <p>Reject a non-responsive tender offer, and do not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.</p>																
5.6	<p>Arithmetical errors, omission and discrepancies</p> <p>Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.</p> <p>For Vat related discrepancies, National and Provincial Treasury prescripts in relation to VAT procedures apply.</p>																
5.7.1	<p>The financial offer will be reduced to a comparative basis using the Tender Assessment Schedule</p> <p>Table F.1: Formulae for calculating the value of A</p> <table border="1"> <thead> <tr> <th>Formula</th> <th>Comparison aimed at achieving</th> <th>Option 1^a</th> <th>Option 2^a</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Highest price or discount</td> <td>$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$</td> <td>$A = P / P_m$</td> </tr> <tr> <td>2</td> <td>Lowest price or percentage commission / fee</td> <td>$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$</td> <td>$A = P_m / P$</td> </tr> <tr> <td colspan="4"> ^a P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration. </td> </tr> </tbody> </table>	Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a	1	Highest price or discount	$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$	$A = P / P_m$	2	Lowest price or percentage commission / fee	$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$	$A = P_m / P$	^a P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.			
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5.7.2	<p>The procedure for the evaluation of responsive tenders is Method 2: Administrative compliance, Price and Specific Goals</p> <p>Phase 1: Administrative compliance</p> <p>Phase 2: Price and specific goals (80/20 system)</p>																
	<p>1. <u>STAGE ONE: ADMINISTRATIVE REQUIREMENTS AND MANDATORY REQUIREMENTS</u></p> <p>A. Bidders' proposals must meet the following minimum requirements and supporting documents must be submitted with the completed bid document in a sealed envelope in the bid box at the closing date and time. Failure to comply will automatically eliminate the bid for further consideration:</p>																

1. Bid Document (This Document must be submitted in its original format)
2. Bids which are late, incomplete, unsigned or submitted by facsimile or electronically, will not be accepted.
3. Bidder must be registered with CIDB in the correct grading and class of works as per the tender notice and requirements. And must the status on CIDB be active during award stage. It is the responsibility of the bidder to keep the status on CIDB active throughout bidding process (advert till award stage).
4. Bidders must be a legal entity.
5. Form of offer and Acceptance (fully completed and signed)
6. SBD4 must be duly completed and signed. Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract, such interest must be disclosed on question 2.3.1.
7. Compulsory Enterprise Questionnaire (Completed and signed) (JV partners must complete separate Questionnaire forms and submit) (% split to be indicated for each JV partner)
8. If the offer is "Vat Inclusive", the VAT registration number of service provider must be indicated and if a service provider is not a VAT Vendor but include VAT in its prices, the successful service provider will be given 21 days to register as a VAT Vendor with SARS, after the issuing of an appointment letter. If a bidder is a VAT vendor/registered, the bidder is required to explicitly state the VAT amount. VAT vendors must include VAT at 15% in the bid offer(s).
9. Resolution to Sign (if applicable)
10. Attendance of compulsory briefing meeting
11. This tender will be awarded as a whole. All trades listed in the Bills of Quantities or Pricing schedule must be priced for (except provisional sums and allowances), failure to do so will result increase commercial risk of the bid and may lead to elimination or passing over of the bidder.
12. The tenderer is required to submit with his tender the following compulsory certificates:
 - 1) A copy of the CSD report showing, amongst other things, that tax matters of the service provider are in order with the South African Revenue Services. In the case of a Joint Venture/Consortium/Sub-contractors each party must submit a separate CSD report showing, amongst other things, that tax matters of the service provider are in order with the South African Revenue Services.
 - 2) CIDB Grading certificate or CRS number.
 - 3) COIDA Letter of Good standing from the Department of Labour and/or FEM
13. ECDOH SCM Policy applies.
14. Returnable Schedule: SBD1-Invitation to bid must be completed and signed.
15. The bidder must be registered on the Central Supplier Database (CSD) before the Tender Closing Date.
16. All bidders' tax matters must be in order prior award. Bidders' tax matters will be verified through CSD.
17. Declaration of Employees of the State or other State Institutions.
18. Due Diligence In-Loco Inspection of the Bidder / or JV. As part of its due diligence obligations, the Department of Health reserves the right to do an In-Loco inspection of the offices and premises of the Bidder / or JV to verify the following:
 - 1) The existence of the business enterprise as declared on the SBD1 form.
 - 2) The existence of the resources including plant & equipment, to render the services.
 - 3) The existence of projects completed by the bidder/JV as declared.
19. In the event where the In-Loco Inspections find inconsistencies and or misrepresentation in terms of what has been declared in the Bid submission, the

Bidder will be notified of such inconsistencies and or misrepresentations in writing and allowed 7 (seven) days to rectify and or clarify such. In the event where the In-LoCo Inspections find inconsistencies and or misrepresentation in terms of what has been declared and submitted, the Bidder will be notified of such inconsistencies and or misrepresentations in writing and allowed 7 (seven) days to rectify such.

20. As part of the due diligence obligations, a Technical Risk analysis of all bids including the Bills of Quantities will be carried out by the Bid Evaluation Committee with the support of the Built Environment Professional Team, to check for mistakes in the Pricing schedules, BOQ's, and to confirm whether the tender price submitted is market related and does not pose a commercial risk to the Client.
21. This Technical Risk Analysis includes the analysis of the In-LoCo inspection findings. The Bidder who complies with the Due Diligence In-LoCo Inspection evaluation criteria, may then be considered for recommendation for award.
22. In the event where the Technical Risk Analysis of the bidder who scored the highest points, indicates a commercial risk to the Client, the Client reserves the right to award the Bid to the next highest scorer of Bid points. The Department will contract with the successful bidder by signing a formal contract.
23. The Technical Risk Analysis and In-LoCo inspections can be carried out anytime during or after Stages 1&2 evaluation, before award.
24. The Bidder who complies with the Due Diligence Technical Risk Analysis and In-LoCo Inspection criteria, may then be considered for recommendation for award.
25. The Technical Risk Analysis will additionally include the verification of current projects the bidder is involved with to assess the bidders' capacity to carry out the intended works.
26. In the event where the Bidder has failed to clarify, rectify the inconsistencies and or misrepresentations within the 7 (seven) day period, the Health Department shall consider the next Bidder who scored the highest points to be considered for award.
27. The Department will contract with the successful bidder by signing a formal contract.
28. Wherever a brand name is specified in this document (i.e. specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better.
29. Protection of personal information: Consent (POPIA)
30. The successful tenderer (after being informed) will be required to bring along an unsigned copy of the form of contract to be signed by parties (e.g. JBCC Edition 6.2 of 2018 with Government Clauses)
31. A fixed construction guarantee of 10% must be provided as security, in the event that the considered bidder fails to provide this security, the client will consider the next highest scoring bidder for consideration.

1. STAGE TWO: EVALUATION POINTS ON PRICE AND SPECIFIC GOALS / PPPFA OF 2022

The **80/20 preference point system** shall be applied for the purposes of this bid as per the requirements of the *Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000)* and *PPPFA Regulations of 2022*

Criteria	Points
POINTS ON PRICE	80
POINTS FOR SPECIFIC TARGETED GOALS	20
TOTAL	100

	<p>The 90/10 preference point system for acquisition of services, works or goods exceeding Rand value of R50 million:</p> <p>(a) The following formula must be used to calculate the points for price in respect of tenders (including price quotation) with a Rand value equal to, or above R 30 000 and up to Rand value of R 50 000 000 (all applicable taxes included):</p> <p>The financial offer will be scored using the following formula: $A = (1 - \frac{P - P_m}{P_m})$ The value of value of W_1 is:</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 R50 000 000 or 2) 80 where the financial value inclusive of VAT of one or more responsive tender offers have a value that equals or is less than R 50 000 000.
5.7.3	The procedure for the evaluation of responsive tenders is Method 2 (Administrative, price and preference)
5.7.4	The quality criteria and maximum score in respect of each of the criteria are as follows: N/A
5.7.5	Each evaluation criteria will be assessed in terms of five indicators – N/A
5.7.6	The prompts for judgment and the associated scores used in the evaluation of quality shall be as follows: N/A
5.8	<p>Tender offers will only be accepted if:</p> <ol style="list-style-type: none"> a) the tenderer is registered on the Central Supplier Database (CSD) for the South African government (see https://secure.csd.gov.za/) unless it is a foreign supplier with no local registered entity. b) the tenderer is in good standing with SARS according to the Central Supplier Database. Bidders must submit a CSD no. or tax status compliance pin. c) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation; d) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector. e) the tenderer has not: <ol style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect. f) the tenderer has completed the Compulsory Declaration and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process. g) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract. h) Bids which are late, incomplete, unsigned or submitted by facsimile or electronically will not be accepted. i) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer.

	<p>j) the employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely. A letter of Good standing from the Labour Department is a compulsory mandatory requirement.</p> <p>k) the tender has offered a market related offer. If the offer is believed not to be market related, the department through its Supply Chain Management bid committees will attempt to negotiate the offer with identified bidder/s to a reasonable amount. Bidders are not allowed to increase their tender offers during this process.</p> <p>l) A Resolution of signatory form has been completed and signed by director/s or a letter bearing a letterhead of the tenderer has been attached (specific to this bid) to the bid submission; it must be duly signed by all directors and submitted the bid. Only a duly authorized official can sign the bid.</p> <p>m) Prospective bidders must register on CSD prior submitting bids (open tenders). Any prospective bidder found to have Tax matters not in order with SARS (verified through CSD) during the evaluation process (after being given an opportunity to rectify tax matters) will be eliminated and not be considered further in the process. Preferred bidder/s will be afforded an opportunity to rectify their tax affairs within 7 days. A bidder that fails to rectify its tax matters with SARS will be eliminated.</p> <p>n) NOTE: The amount reflected on the Form of Offer and Acceptance takes precedence over any other total amount indicated elsewhere in bidder's tender submission. If the Form of Offer and Acceptance has no value or figure, the bidder will be regarded as having made no offer.</p> <p>o) The department reserves the right not to award the bid to the most favourable tenderer, if any of the situations occur: if it is not assisting in the advancement of designated groups; risk profile of the favourable firm is too high; the bidder has been awarded a considerable number of projects by the department or provincial government; has performed unsatisfactorily in the past, etc.</p> <p>p) Bids shall not be awarded to Bidders appearing on the Health Department and/or National/Provincial Treasury Defaulters List.</p> <p>q) In the event where the Technical Risk Analysis of the bidder who scored the highest points, indicates a commercial risk to the Client, the Client reserves the right to award the Bid to the next highest scorer of Bid points.</p> <p>r) In the event where the recommended Bidder has failed to comply with the conditions as set out in the letter of award, the client shall notify the recommended Bidder of his/her failure to comply and recommend for award the next bidder that scored the highest points. The Conditions as set out in the letter of award are as follow:</p> <ol style="list-style-type: none"> 1) Proof of having All risk, public liability and support insurances as stipulated in the contract 2) Submission of a Construction Safety, Health and Environmental Plan. 3) Contract Guarantee (as selected in the tender document)
5.9	The number of paper copies of the signed contract to be provided by the employer is 1.
	<p>The additional conditions of tender are:</p> <ul style="list-style-type: none"> • Wherever a brand name is specified in this document (i.e., specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better.

T.2.1	A. List of returnable documents
1	<p>Documentation to demonstrate eligibility to have tenders evaluated i.e. List all documentation to demonstrate eligibility to have a submission evaluated.</p> <ul style="list-style-type: none"> • Appropriate CIDB grading suitable for the works (as stated in 4.1).
2	<p>Returnable Schedules required for tender evaluation purposes The tenderer must fully and appropriately complete and sign the following returnable schedules as relevant:</p> <ul style="list-style-type: none"> • SBD 1, (mandatory) • SBD 4 (mandatory) • SBD 6.1 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 • Proposed amendments and qualifications (mandatory) • Schedule of Proposed Subcontractors • Protection of personal content: Consent POPIA (mandatory) • Valid CIDB Certificate of Tenderer (mandatory) • Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate (mandatory) • Proof of Specific Goals Claimed • Part C1.1 Form of Offer and Acceptance (mandatory) • Part C1.2 Contract Data (mandatory) • Part C2.2 Bills of Quantities (Handwritten Priced. Not typed) (mandatory) • Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted). (mandatory) • Record of addenda issued (Only if addenda is issued) • Resolution for Signatory (mandatory) • Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture) (mandatory) • Proof of Registration on the National Treasury Central Supplier Data Base (CSD) A CSD Registration Report (full report and not just the summary) for a contractor with valid and correct information (mandatory)
3	<p>Other documents required for tender evaluation purposes. The tenderer must provide the following returnable documents:</p> <ul style="list-style-type: none"> • List of Projects completed of a similar nature (For Health Departments as end-user) with details of the Clients, Scope, Values, and dates of completion, with copies of Practical, Works and or Final Completion Certificates attached as Portfolio of evidence. (Mandatory) • List of Resources, Plant & Equipment to render the service. • Contractors' current workload. (mandatory)
4	<p>Only authorized signatories may sign the original and all copies of the tender offer where required. In the case of a ONE-PERSON CONCERN submitting a tender, this shall be clearly stated. In the case of a COMPANY submitting a tender, include a copy of a <u>resolution by its board of directors</u> authorizing a director or other official of the company to sign the documents on behalf of the company. In the case of a CLOSE CORPORATION submitting a tender, include a copy of a <u>resolution by its members</u> authorizing a member or other official of the corporation to sign the documents on each member's behalf.</p>

	<p>In the case of a PARTNERSHIP submitting a tender, all the partners shall sign the documents, unless one partner or a group of partners has been authorized to sign on behalf of each partner, in which case proof of such authorization shall be included in the Tender.</p> <p>In the case of a JOINT VENTURE/CONSORTIUM submitting a tender, include a resolution of each company of the joint venture together with a resolution by its members authorizing a member of the joint venture to sign the documents on behalf of the joint venture.</p> <p><u>Accept that failure to submit proof of authorization to sign the tender shall result in the tender offer being regarded as non-responsive.</u></p>
5	<p>Information and data to be completed in all respects Accept that tender offers, which do not provide all the data or information requested completely and, in the form, required, may be regarded by the employer as nonresponsive.</p>
6	<p>Canvassing and obtaining of additional information by tenderers The Tenderer shall not make any attempt either directly or indirectly to canvass any of the Employer's officials or the Employer's agent in respect of his tender, after the opening of the tenders but prior to the Employer arriving at a decision thereon. The Tenderer shall not make any attempt to obtain particulars of any relevant information, other than that disclosed at the opening of tenders.</p>
7	<p>Prohibitions on awards to persons in service of the state The Employer is prohibited to award a tender to a person -</p> <ol style="list-style-type: none"> who is in the service of the state; or if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or a person who is an advisor or consultant contracted with the Department or municipal entity. <p>In the service of the state means to be -</p> <ol style="list-style-type: none"> a member of:- <ol style="list-style-type: none"> any municipal council; any provincial legislature; or the National Assembly or the National Council of Provinces; a member of the board of directors of any municipal entity; an official of any Department or municipal entity; an employee of any national or provincial department; provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999); a member of the accounting authority of any national or provincial public entity; or an employee of Parliament or a provincial legislature. <p>In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.</p>
8	<p>Awards to close family members of persons in the service of the state</p>

	<p>Accept that the notes to the Employer's annual financial statements must disclose particulars of any award of more than R2000 to a person who is a spouse, child, or parent of a person in the service of the state (defined in clause 8 above), or has been in the service of the state in the previous twelve months, including -</p> <ul style="list-style-type: none"> a) the name of that person; b) the capacity in which that person is in the service of the state; and c) the amount of the award. <p>In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.</p>
9	<p>Respond to requests from the tenderer The employer will respond to requests for clarification up to 5 (five) working days before the tender closing time.</p>
10	<p>Opening of tender submissions Tenders will be opened immediately after the closing time for tenders</p>
11	<p>Scoring quality / functionality: Not applicable to this tender</p>
12	<p>Cancellation and re-invitation of tenders</p> <p>An organ of state may, prior to the award of the tender, cancel the tender if-</p> <ul style="list-style-type: none"> (a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or (b) funds are no longer available to cover the total envisaged expenditure; or (c) no acceptable tenders are received. (d) Tender validity period has expired. (e) Gross irregularities in the tender processes and/or tender documents. (f) No market related offer received (after attempts of negotiation processes) <p>Where applicable, the decision to cancel the tender will be published in on the Tender Notice Board of the SCM Department and if applicable, on the CIDB website and in the Tender Bulletin or the media in which the original tender invitation as advertised.</p>
13	<p>Dispute resolution mechanism will be done through the SCM Department and thereafter the Adjudication route.</p>
14	<p>The department, when it takes action against the tenderer or person awarded the contract on a fraudulent basis, considers the provisions of Regulation 14:</p> <p>The remedies provided for in Preferential Procurement Regulations 2022 do not prevent an institution from instituting remedies arising from any other prescripts or contract.</p>
15	<p>Where the employer terminates the contract due to default of the contractor in whole or in part, the employer may decide to: a) Refer the breach in contract to the CIDB for investigation as a breach of the CIDB Code of Conduct in terms of the CIDB Regulations; or b) may impose a restriction penalty on the contractor in terms of Section 14 of the Preferential Procurement Regulations. The outcomes of such investigations in terms of both the CIDB Regulations and the Preferential Procurement Regulations may prohibit the contractor from doing business with the public sector for a period not exceeding 10 years.</p>



PART T2

RETURNABLE DOCUMENTS

ASSESSMENT OF STAGE 1 ADMINISTRATIVE REQUIRMENTS AND MANDATORY REQUIREMENTS:

The bidder shall not proceed to the next stage of evaluation if the bidder fails to submit all the mandatory information as listed here below:

BIDDER TO INDICATE BELOW IF MANDATORY DOCUMENTS WERE SUBMITTED WITH TENDER:

MANDATORY DOCUMENT TO BE SUBMITTED WITH BID:	YES	NO
SBD 1 Part of invitation to bid and terms and conditions for bidding		
SBD 4 Declaration of interest		
SBD 6.1 Preference points claim form in terms of the Preferential procurement regulations 2022		
Proposed amendments and qualifications		
Protection of personal content: Consent		
Valid CIDB Certificate of Tenderer		
Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate		
Part C1.1 Form of Offer and Acceptance (Fully signed and completed)		
Part C1.2 Contract Data		
Part C2.2 Bills of Quantities (Fully priced) (Handwritten Priced. Not typed)		
Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted).		
Resolution for Signatory		
Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture)		
Proof of Registration on the National Treasury Central Supplier Data Base (CSD) Full CSD report)		
List of Projects completed of a similar nature (For Health Departments as end-user) with details of the Clients, Scope, Values, and dates of completion, with copies of Practical, Works and or Final Completion Certificates attached as Portfolio of evidence.		
List of resources, Plant & Equipment to execute the service.		
Contractors' current workload.		

PART T2.1: LIST OF RETURNABLE DOCUMENTS

T2.1 List of Returnable Documents

The tenderer must complete the following returnable documents:

1 Returnable Schedules required for bid/quotation evaluation purposes. (Mandatory Items)

- SBD 1,
- SBD 4
- SBD 6.1 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022
- Proposed amendments and qualifications.
- Protection of personal content: Consent
- Valid CIDB Certificate of Tenderer
- Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate.
- Proof of Specific Goals Claimed
- Part C1.1 Form of Offer and Acceptance
- Part C1.2 Contract Data
- Part C2.2 Bills of Quantities
- Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted).
- Record of addenda issued (Only if addenda is issued)
- Resolution for Signatory
- Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture)
- Proof of Registration on the National Treasury Central Supplier Data Base (CSD)

2 Other documents required for bid/quotation evaluation purposes.

- List of Projects completed of a similar nature (For Health Departments as end-user) with details of the Clients, Scope, Values, and dates of completion, with copies of Practical, Works and or Final Completion Certificates attached as Portfolio of evidence. (mandatory)
- List of Resources, Plant & Equipment to render the service. (mandatory)
- Contractors' current workload. (mandatory)

3 Returnable Schedules that will be incorporated into the contract

- SBD 1,
- SBD 4,
- SBD 6.1 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022
- Proposed amendments and qualifications.
- Schedule of Proposed Subcontractors
- Protection of personal content: Consent
- Valid CIDB Certificate of Tenderer
- Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate.
- Proof of Specific Goals Claimed
- Part C1.1 Form of Offer and Acceptance
- Part C1.2 Contract Data
- Part C2.2 Bills of Quantities

SBD 1 – PART A - INVITATION TO BID

PART A

SBD 1

INVITATION TO BID

CSD registered service providers (CIDB Grading of 7GB Contractor or higher) are hereby invited to bid for the services required by the Eastern Cape Department of Health					
BID NUMBER:	SCMU3-23/24-0750-HO	CLOSING DATE:	26 April 2024	CLOSING TIME:	11:00
DESCRIPTION:	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT EASTERN CAPE DEPARTMENT OF HEALTH: SUPPLY CHAIN MANAGEMENT OFFICE, situated at the following address: GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 (OPPOSITE ENGINE GARAGE), BHISHO					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Ms. T Notshe	CONTACT PERSON	Ms. T Notshe		
TELEPHONE NUMBER	040 608 9501	TELEPHONE NUMBER	040 608 9501		
E-MAIL ADDRESS	thabisa.notshe@echealth.gov.za	E-MAIL ADDRESS	thabisa.notshe@echealth.gov.za		
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
An SBD 6.1 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 IS TO BE SUBMITTED TO CLAIM DEPARTMENTAL SPECIFIC GOAL POINTS					
<p>a) Service providers must submit proof of its Specific Goals points claimed / status of contributor.</p> <p>b) The Specific Goals supporting documents required to verify claimed points are in line with the specified requirements include:</p> <ul style="list-style-type: none"> • Historically Disadvantaged Individuals Ownership: Proof of ownership (CIPRO certificate) with id no. • Women Ownership: Ownership: Proof of ownership (CIPRO certificate) with id no. • Youth Ownership: Ownership: Proof of ownership (CIPRO certificate) with id no. • Disability Ownership: Proof of ownership (CIPRO certificate) with valid medical documentary proof. • Military Veterans Ownership: Proof of ownership (CIPRO certificate) with valid proof of veteran status. • Locality Ownership: Proof of business address (municipal account or valid lease agreement) • Updated CSD report 					

PART B

TERMS AND CONDITIONS FOR BIDDING

<p>1. BID SUBMISSION:</p> <p>1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.</p> <p>1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.</p> <p>1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.</p> <p>1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM.</p>
<p>2. TAX COMPLIANCE REQUIREMENTS</p> <p>2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.</p> <p>2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.</p> <p>2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.</p> <p>2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.</p> <p>2.5 SUBMISSION OF A COIDA or FEM LETTER OF GOOD STANDING FROM DEPARTMENT OF LABOUR IS MANDATORY</p> <p>2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.</p> <p>2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.</p> <p>2.8 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE.”</p>
<p>3. SPECIAL CONDITIONS OF BID</p> <p>3.1 Due Diligence In-Loco Inspection of the Bidder / or JV. As part of its due diligence obligations, the Department of Health reserves the right to do an In-Loco inspection of the offices and premises of the Bidder / or JV to verify the following:</p> <ol style="list-style-type: none"> 1) The existence of the business enterprise as declared on the SBD1 form. 2) The existence of the resources including plant & equipment, to render the services. 3) The existence of projects completed by the bidder/JV as declared. <p>3.2. In the event where the In-Loco Inspections find inconsistencies and or misrepresentation in terms of what has been declared in the Bid submission, the Bidder will be notified of such inconsistencies and or misrepresentations in writing and allowed 7 (seven) days to rectify and or clarify such.</p> <p>3.3. As part of the due diligence obligations, a Technical Risk analysis of all bids including the Bills of Quantities will be carried out by the Bid Evaluation Committee with the support of the Built Environment Professional Team, to check for mistakes in the Pricing schedules, BOQ's, inconsistencies, misrepresentations, and to confirm whether the tender price submitted is market related and does not pose a commercial risk to the Client.</p> <p>3.4. This Technical Risk Analysis includes the analysis of the In-Loco inspection findings and the contractor's current capacity/workload will be checked and verified as part of the due diligence technical risk analysis process.</p> <p>3.5 In the event where the Technical Risk Analysis of the bidder who scored the highest points, indicates a commercial risk to the Client, the Client reserves the right to award the Bid to the next highest scorer of Bid points.</p> <p>3.6. The Technical Risk Analysis and In-Loco inspections can be carried out anytime during or after Stages 1&2 evaluation, before award.</p> <p>3.7 In the event where the recommended Bidder has failed to comply with the conditions as set out in the letter</p>

of award, the client shall notify the recommended Bidder of his/her failure to comply and recommend for award the next bidder that scored the highest points. The Conditions as set out in the letter of award are as follow

- i. Proof of having All risk, public liability and support insurances as stipulated in the contract.
- ii. Submission of a Construction Safety, Health and Environmental Plan.
- iii. Contract Guarantee (as selected in the tender document)

3.8. An appointment letter/acceptance letter does not constitute a contract or commencement date of a contract. The recommended Bidder is required to sign an official contract with the Department.

3.7. As part of the due diligence Bid evaluation process a technical risk analysis of the Bid submission including the Bills of Quantities will be carried out by the Bid Evaluation Committee with the support of the Built Environment Professional Team, to check and confirm whether the tender price submitted is market related and does not pose a commercial risk to the Client.

3.8. In the event where the Bidder that's scored the highest points and the Technical Risk Analysis outcome indicated commercial risk to the Client, the Client reserves the right to award the Bid to the second highest scorer of Bid points.

3.9 JBCC 6.2 State Clauses apply to this Bid & Contract.

3.10. Bids shall not be awarded to Bidders appearing on the Health Department and/or National/Provincial Treasury Defaulters List.

3.11 A fixed construction guarantee of 10% must be provided as security, in the event that the considered bidder fail to provide this security, the client will consider the next highest scoring bidder for award.

3.12. The following governs the employment of SMME subcontractors:

1. SMME Subcontract

The Contractor shall appoint all SMME subcontractors as domestic subcontractors in terms of an agreement that provides for fair and equitable conditions of contract compatible with the JBCC PBA Edition 6.2 (May 2018). All work and the associated risks related to SMME subcontractors shall be the direct responsibility of the Contractor.

2. SMME Subcontract Target

Thirty Percent (30%) of the Tender Value (excluding Socio Economic Value, CPAP/escalation, Contingency, OHS, Preliminaries, Program and Value-Added Tax (VAT)) must be executed by SMMEs. It is compulsory for the Principal Contractor to achieve this target as the principal contractors performance against this target will be monitored.

Contractors will be required to supply verified monthly statements/schedules (verified by their auditors) indicating the % achieved for that month. A cumulative schedule also needs to be maintained for each month that has passed.

3. A SMME subcontractor is defined as follows:

- A targeted enterprise;
- A business concern operating in any business sector and which complies with the qualitative and quantitative criteria outlined in the Schedule contained in the National Small Business Act (Act No. 102 of 1996);
- An entity which must have an active registration status with the CIDB, targeted CIDB Grade designations 1 to 6;

4. Procurement and contracting of SMME subcontractors

The Appointed contractor must take note that the P&G main section document allow for the appointment of an SMME Mentor or Mentors if more than one are require.

After the Award of the Contract, the Contractor will have to start the process of procuring and subcontracting SMME subcontractors to achieve the tendered SMME Participation Goal of 30%. This contracting process for subcontracting SMMEs must commence after the commencement of the Contract Period and shall be completed prior to the commencement of the Construction Period. It is a condition that the Employer shall not give the Contractor possession of site until the above process of the appointment of SMME subcontractors is complete. The Contractor shall take due cognisance to also programme this SMME contracting process in its detailed construction programme.

The SMME Subcontractors must be procured as follows:

4.1. The identification of potential SMME's subcontractors to tender for the SMME packages shall be determined by the recognized community representatives/ structures, involving but not be limited by the Local Ward Councilor, the Social Facilitator and the PSC.

4.2. A competitive tender process obtaining at least three tenders from SMME subcontractors for each SMME

package.

4.3. The SMME package documents will be prepared by the representative PSP's in conjunction with the Contract. The PSP's will provide the measured works portion of the tender document, to which the Contractor shall include his conditions of subcontract and requirements.

4.4. The tender documents will issued to the SMME subcontractors to tender.

4.5. The Contractor shall facilitate a mandatory briefing session with the invited SMME subcontractors. The briefing session must be attended by the representative PSP's including the OHS Agent and social facilitator.

4.6. The Contractor shall provide assistance to the prospective SMMES and ensure;

4.6.1. They understand the liabilities and responsibilities of the subcontract.

4.6.2. Scope of the SMME package

4.6.3. Procedures for submitting tenders.

4.6.4. Understanding the pricing and implications of the tendered rates.

4.6.5. Procedures and basis of tender adjudication.

4.6.6. Subcontract conditions and implications when awarded.

4.7. Adjudication

4.7.1. Contractor to receive all tenders at a specific location, in sealed tender submissions, placed in a tender box provided by the Contractor prior to the closing date and time. Late tenders will not be considered.

4.7.2. Contractor to maintain a tender submission register, recording tender receipt.

4.7.3. Tenders to be evaluated by the Contractor in terms of the tender conditions and submit a draft tender evaluation to the PA within 5 working days of the closing of tenders.

4.7.4. The PA will have the right to

4.7.4.1. Interview the tenderer

4.7.4.2. Clarify any aspect of the tender

4.7.4.3. Verify the eligibility of the tenderer

4.7.4.4. Conduct a rate analysis to clarify rates and prices.

4.7.5. The Contractor shall provide reasonable opportunity to tenderers, to correct patent errors, without altering the total tendered sum.

4.8. Award of tender

The Contractor shall

4.8.1. Notify unsuccessful tenderers

4.8.2. Award/ appoint the SMME subcontractor

4.8.3. Compile and sign the SMME subcontract agreements.

3.11 The information contained in this tender document is available on computer software and can be supplied via E-mail after the compulsory pre-tender site meeting via DoH Supply Chain Unit; it is the responsibility of the tenderer to ensure that the information received via these media is correct and consistent with the actual printed documents or addendum(s) issued to each tenderer. In the event of any differences between the printed tender documents or faxed addendum(s) issued to tenderers and similar information provided by E-mail the former will always be regarded as correct. It is the tenderers responsibility to check all formulae and extensions etc. in the excel Bills of Quantities (Main and M&E).

SIGNATURE OF BIDDER:

DATE:

.....

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

.....

(Proof of authority must be submitted e.g. company resolution)

Compulsory Enterprise Questionnaire

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.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

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

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number Tax

reference number

Section 6: The attached SBD 4 must be completed for each tender and be attached as a tender requirement.

Section 7: The attached SBD 6.1 must be completed for each tender and be attached as a requirement.

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

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

Signed

Date

Name

Position

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

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

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:
.....
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:
.....
.....

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

3 DECLARATION

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

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 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.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

² **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.**

RECORD OF ADDENDA TO BID DOCUMENTS

BID DESCRIPTION	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT		
SCMU NUMBER	SCMU3-23/24-0750-HO		
I / We confirm that the following communications received from the Department of Public Works before the submission of this tender offer, amending the tender documents, have been taken into account in this bid offer: (Attach additional pages if more space is required)			
Item	Date	Title or Details	No. of Pages
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

PROPOSED AMENDMENTS AND QUALIFICATIONS

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause 5.8 of SANS 10845-3 regarding the employer's handling of material deviations and qualifications.

BID DESCRIPTION	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT
SCMU NUMBER	SCMU3-23/24-0750-HO

Page	Clause /Item	Proposal

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct

Signed _____ Date _____

Name _____ Position _____

Enterprise name _____

RESOLUTION FOR SIGNATORY

BID DESCRIPTION	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT
SCMU NUMBER	SCMU3-23/24-0750-HO

A: CERTIFICATE OF AUTHORITY FOR SIGNATORY

Signatory for companies shall confirm their authority hereto by attaching a duly signed and dated copy of the relevant resolution of the board of directors to this form or on company letter head.

An example is given below:

“By resolution of the board of directors passed at a meeting held on _____

Mr/Ms _____, whose signature appears below, has been duly authorised to

sign all documents in connection with the tender for Contract No. _____

and any Contract which may arise there from on behalf of (Block Capitals) _____

SIGNED ON BEHALF OF THE COMPANY: _____

IN HIS/HER CAPACITY AS: _____

DATE: _____

SIGNATURE OF SIGNATORY: _____

WITNESSES:

DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	

If you cannot complete this form, attach a separate sheet (in a company letter head, project specific and signed by all directors):

CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed by joint ventures.

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorize Mr/Ms
, authorized signatory of the company
, acting in the capacity of lead partner, to
 sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

BID DESCRIPTION	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT
------------------------	---

SCMU NUMBER	SCMU3-23/24-0750-HO
--------------------	----------------------------

NAME OF FIRM	PERCENTAGE SPLIT IN CONSORTIA/JV AS PER CONSORTIA/JV AGREEMENT AND SPECIFIC GOAL POINTS CLAIMED	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner:%		Signature. Name Designation.....
.....%		Signature. Name Designation.....
.....%		Signature. Name Designation.....
.....%		Signature. Name Designation.....

SCHEDULE OF PROPOSED SUBCONTRACTORS

PROJECT TITLE	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT
SCMU NUMBER	SCMU3-23/24-0750-HO
<p>We notify you that it is our intention to employ the following Subcontractors for work in this contract. The Subcontractors will all be CIDB registered and their CIDB Registration number shall be submitted below. This should also be declared on SBD 6.1 form.</p> <p>If we are awarded a contract, we agree that this notification does not change the requirement for us to submit the names of proposed subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.</p> <p>We confirm that all subcontractors who are or to be contracted are registered on Central Supplier Database (CSD).</p>	

No.	Name and address of proposed Subcontractor	Sub-Contractor CIDB Grading	Sub-Contractor CIDB No.	Nature, extent of work, Year completed, Value of sub-contract	Contact details: Name of person and phone No.
1					
2					

3					
4					
<p>The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct</p>					

Signed

Date

Name

Position

Enterprise name

SBD 6.1

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

BID DESCRIPTION	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT
SCMU NUMBER	SCMU3-23/24-0750-HO

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

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

1. GENERAL CONDITIONS

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

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

1.2 To be completed by the organ of state

(delete whichever is not applicable for this tender).

The applicable preference point system for this tender is the 80/20 preference point system.

The lowest/~~highest~~ acceptable tender will be used to determine the accurate system once tenders are received.

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

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

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

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

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

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 PREFERENCE POINT SYSTEMS

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

80/20

$$Ps = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

80/20

$$Ps = 80 \left(1 + \frac{Pt - Pmax}{Pmax} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 80/20 preference point system.

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

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

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

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Historically Disadvantaged Individuals Ownership	20% (4)	
Women Ownership	20% (4)	
Youth Ownership	20% (4)	
Disability Ownership	20% (4)	
Military Veterans Ownership	10% (2)	
Locality Ownership	10% (2)	
TOTAL	100% (20)	

Consortia / Joint Ventures

** In the event that Specific Goal Points are claimed for members by **Consortia / Joint Ventures** refer to SPECIFIC GOALS POINT – GUIDING WORKING PAPERS TO ASSIST THE BIDDER*

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

disqualify the person from the tendering process;

- (a) disqualify the person from the tendering process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution, if deemed necessary.

<p>.....</p> <p>SIGNATURE(S) OF BIDDER(S)</p>	
SURNAME AND NAME:
DATE:
ADDRESS:

SPECIFIC GOALS POINT - GUIDING WORKING PAPER TO ASSIST THE BIDDER

Table 1: Consortia/Joint Venture Percentage Split

In the event that Specific Goal Points are claimed for members by consortia / joint ventures, the following information must be furnished in order to be entitled to the points claimed in respect of the member:
(If more than 3 Members the Bidder can submit a comprehensive table for all Members as per below example)

	Consortia/JV Member 1 Company Name:	Consortia/JV Member 2 Company Name:	Consortia/JV Member 3 Company Name:	TOTAL
Percentage Split in Consortia/JV as per Consortia/JV Agreement and Certificate of authority%%%	100%

Table 2: Consortia/Joint Venture Specific Goal Points Claim

In the event that Specific Goal Points are claimed for members by consortia / joint ventures, the following information must be furnished in order to be entitled to the points claimed in respect of the member:
(If more than 3 Members the Bidder can submit a comprehensive table for all Members as per below example)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	JV/Consortia Member 1 Company Name: Number of points claimed (80/20 system)	JV/Consortia Member 2 Company Name: Number of points claimed (80/20 system)	JV/Consortia Member 3 Company Name: Number of points claimed (80/20 system)	Total number of points claimed by JV/Consortia
Historically Disadvantaged Individuals Ownership	20% (4)				
Women Ownership	20% (4)				
Youth Ownership	20% (4)				
Disability Ownership	20% (4)				
Military Veterans Ownership	10% (2)				
Locality	10% (2)				
TOTAL	100% (20)				

Table 2: Detailed description and definition of various categories of the specific goal points that can be claimed.

No.	Detailed description and definition of various categories	Portfolio of Evidence as part of the returnables
1	<p>Historically Disadvantaged Individuals Ownership: [Historically Disadvantaged Individual (HDI). Means a South African citizen who, due to the apartheid policy that had been in place, had no franchise in national elections prior to the introduction of the Constitution of the Republic of South Africa, 1983 (Act No. 110 of 1983) or the Constitution of the Republic of South Africa, 1993 (Act No. 200 of 1993) (“The Interim Constitution”) and /orWho is a female; and/orWho has a disability]. A South African ID number is a 13-digit number which is defined by the following format: YMMDDSSSSCAZ.</p> <ul style="list-style-type: none"> • The first 6 digits (YMMDD) are based on your date of birth. 20 February 1992 is displayed as 920220. • The next 4 digits (SSSS) are used to define your gender. Females are assigned numbers in the range 0000-4999 and males from 5000-9999. • The next digit (C) shows if you're an SA citizen status with 0 denoting that you were born a SA citizen and 1 denoting that you're a permanent resident. 	<p>1)Proof of ownership (CIPRO certificate) with id no.</p> <p>2)Proof of ownership (CSD report) with id no.</p> <p>3)Certified copy of ID of all owners.</p>
2	<p>Women Ownership: A South African ID number is a 13-digit number which is defined by the following format: YMMDDSSSSCAZ.</p> <ul style="list-style-type: none"> • The first 6 digits (YMMDD) are based on your date of birth. 20 February 1992 is displayed as 920220. • The next 4 digits (SSSS) are used to define your gender. Females are assigned numbers in the range 0000-4999 and males from 5000-9999. 	<p>1)Proof of ownership (CIPRO certificate) with id no.</p> <p>2)Proof of ownership (CSD report) with id no.</p> <p>3)Certified copy of ID of all owners.</p>
3	<p>Military Veterans Ownership: According to the 2011 Military Veterans act, a military veteran is any South African who rendered military service to any of the military organisations, former statutory and liberation armies, which were involved on all sides of South Africa's liberation war from 1960 to 1993; served in the then Union Defence Force.</p>	<p>1)Proof of ownership (CIPRO certificate) with id no. with valid proof of veteran status.</p> <p>2)Proof of ownership (CSD report) with id no. with valid proof of veteran status.</p> <p>3)Certified copy of ID of all owners.</p>

4	<p>Disability Ownership: The CRPD (Convention on the Rights of Persons with Disabilities) defines persons with disabilities to include those who have long term physical, mental, intellectual or sensory impairments, which in interaction with various barriers may hinder their full and effective participation in society on an equal basis.</p>	<p>1)Proof of ownership (CIPRO certificate) with id no. with valid medical documentary proof.</p> <p>2)Proof of ownership (CSD report) with id no. with valid medical documentary proof.</p> <p>3)Certified copy of ID of all owners.</p>
5	<p>Youth Ownership: Who are Youth in South Africa? The national Youth Policy defines youth as any persons between the ages of 14 and 35 years.</p>	<p>1)Proof of ownership (CIPRO certificate) with id no.</p> <p>2)Proof of ownership (CSD report) with id no.</p> <p>3)Certified copy of ID of all owners.</p>
6	<p>Locality Ownership: Proof of business address (municipal account or valid lease agreement) (Eastern Cape Contractors can claim 2 points)</p>	<p>1) Copy of Muncial billing account with an address in the Eastern Cape Province.</p> <p>2)Copy of a Lease Agreement with an addrss in the Eastern Cape Province.</p>

***PROOF OF REGISTRATION ON THE NATIONAL
TREASURY CENTRAL SUPPLIER DATABASE (CSD
REPORT)***

(ATTACH HERE)

VALID CIDB CERTIFICATE OF A TENDERER
(ATTACH HERE)

***VALID DEPARTMENT OF LABOUR COIDA LETTER OF
GOOD STANDING CERTIFICATE AND/OR FEM***

(ATTACH HERE)

***PROOF OF SPECIFIC GOALS POINTS CLAIMED
(ATTACH HERE)***

Table 2: Detailed description and definition of various categories of the specific goal points that can be claimed.

No.	Detailed description and definition of various categories of	Portfolio of Evidence as part of the returnables
1	<p>Historically Disadvantaged Individuals Ownership: [Historically Disadvantaged Individual (HDI). Means a South African citizen who, due to the apartheid policy that had been in place, had no franchise in national elections prior to the introduction of the Constitution of the Republic of South Africa, 1983 (Act No. 110 of 1983) or the Constitution of the Republic of South Africa, 1993 (Act No. 200 of 1993) (“The Interim Constitution”) and /orWho is a female; and/orWho has a disability]. A South African ID number is a 13-digit number which is defined by the following format: YYMMDDSSSSCAZ.</p> <ul style="list-style-type: none"> • The first 6 digits (YYMMDD) are based on your date of birth. 20 February 1992 is displayed as 920220. • The next 4 digits (SSSS) are used to define your gender. Females are assigned numbers in the range 0000-4999 and males from 5000-9999. • The next digit (C) shows if you're an SA citizen status with 0 denoting that you were born a SA citizen and 1 denoting that you're a permanent resident. 	<p>1)Proof of ownership (CIPRO certificate) with id no.</p> <p>2)Proof of ownership (CSD report) with id no.</p> <p>3)Certified copy of ID of all owners.</p>
2	<p>Women Ownership: A South African ID number is a 13-digit number which is defined by the following format: YYMMDDSSSSCAZ.</p> <ul style="list-style-type: none"> • The first 6 digits (YYMMDD) are based on your date of birth. 20 February 1992 is displayed as 920220. • The next 4 digits (SSSS) are used to define your gender. Females are assigned numbers in the range 0000-4999 and males from 5000-9999. 	<p>1)Proof of ownership (CIPRO certificate) with id no.</p> <p>2)Proof of ownership (CSD report) with id no.</p> <p>3)Certified copy of ID of all owners.</p>
3	<p>Military Veterans Ownership: According to the 2011 Military Veterans act, a military veteran is any South African who rendered military service to any of the military organisations, former statutory and liberation armies, which were involved on all sides of South Africa's liberation war from 1960 to 1993; served in the then Union Defence Force.</p>	<p>1)Proof of ownership (CIPRO certificate) with id no. with valid proof of veteran status.</p> <p>2)Proof of ownership (CSD report) with id no. with valid proof of veteran status.</p> <p>3)Certified copy of ID of all owners.</p>

4	<p>Disability Ownership: The CRPD (Convention on the Rights of Persons with Disabilities) defines persons with disabilities to include those who have long term physical, mental, intellectual or sensory impairments, which in interaction with various barriers may hinder their full and effective participation in society on an equal basis.</p>	<p>1)Proof of ownership (CIPRO certificate) with id no. with valid medical documentary proof.</p> <p>2)Proof of ownership (CSD report) with id no. with valid medical documentary proof.</p> <p>3)Certified copy of ID of all owners.</p>
5	<p>Youth Ownership: Who are Youth in South Africa? The national Youth Policy defines youth as any persons between the ages of 14 and 35 years.</p>	<p>1)Proof of ownership (CIPRO certificate) with id no.</p> <p>2)Proof of ownership (CSD report) with id no.</p> <p>3)Certified copy of ID of all owners.</p>
6	<p>Locality Ownership: Proof of business address (municipal account or valid lease agreement) (Eastern Cape Contractors can claim 1 point)</p>	<p>1) Copy of Municipal billing account with an address in the Eastern Cape Province.</p> <p>2)Copy of a Lease Agreement with an address in the Eastern Cape Province.</p>

POPIA

PROTECTION OF PERSONAL INFORMATION: CONSENT (POPIA)

The introduction of The Protection of Personal Information Act (POPIA) ensures the regulation of personal information through its entire life cycle of collection, transfer, storing and deletion.

As part of its business activities, the Department of Health obtains and requires access to personal data from a wide range of internal and external parties, including without limitation bidders who respond to requests for proposals that are published by the Department of Health from time to time. The Department of Health confirms that it shall process the information disclosed by Bidders for the purpose of evaluating and subsequently awarding/appointing a successful Bidder.

The Department of Health hereby states that it does not and will never modify, amend, or alter any personal information submitted to it by a Bidder. Not unless directed to do so by an order of court, the Department of Health does not disclose or permit the disclosure of any personal information to any Third Party without the prior written consent of the owner of the information.

Similarly, Bidders will from time-to-time access and be seized with information of a personal nature pertaining to the Department of Health. Some of the information may because of legislative compliances be available in the public domain, whilst some is uniquely provided to bidders in pursuit of procurement or other business-related activities. In this regard, the Department of Health requires that Bidders which receive or have access to its personal information, process any such information in a manner compliant with the requirements of the POPIA.

AGREEMENT

1. The Department of Health and the Bidder (the Parties) agree and undertake that upon obtaining and having access to personal information relating to either of them, they shall always ensure that:
 - a) They process the information only for the express purpose for which it was obtained.
 - b) Information is provided only to designated and authorized personnel who require the personal information to carry out the Parties' respective obligations in terms of the Procurement processes.
 - c) They will introduce, and implement all reasonable measures ensure the protection of all personal information from unauthorized access and/or use.
 - d) They have taken appropriate measures to safeguard the security, integrity, and authenticity of all personal information in its possession or under its control.
 - e) The Parties agree that if personal information will be processed for any other purpose other than the one for which the accessing of the information was intended, explicit written consent will be obtained prior to the execution of such reason.
 - f) The Parties shall carry out regular assessments to identify all reasonably foreseeable internal and external risks to the interception of personal information in its possession or under its control and shall implement and maintain appropriate controls in mitigation of such risks.
2. The Parties agree that they will promptly return or destroy any personal data in their possession or control which belongs to the other Party once it no longer serves the purpose for which it was collected, subject to any legal retention requirements. The information will be destroyed in such a manner that it cannot be reconstructed to its original form, linking it to any individual or organization.

3. Bidder's Obligations

- a) The Bidder is required to notify the Information Officer of Department of Health, in writing as soon as possible after it becomes aware of or suspects any loss, unauthorized access or unlawful use of any of the Department of Health's personal information.
- b) The Bidder shall, at its own cost, promptly and without delay take all necessary steps to mitigate the extent of the loss or compromise of personal data.
- c) The Bidder shall be required to provide the Department of Health with details of the persons affected by the compromise and the nature and extent of the compromise, including details of the identity (if known) of the unauthorized person who may have accessed or acquired the personal data.
- d) The Bidder undertakes to co-operate with any investigation relating to security breach which is carried out by or on behalf of Department of Health.

On behalf of the Bidder:

..... Signature Date
..... Position Name of the Bidder

On behalf of the Client:

..... Signature Date
..... Position Name of Client Representative

LIST OF PROJECTS PREVIOUSLY COMPLETED

BID DESCRIPTION		UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT				
SCMU NUMBER		SCMU3-23/24-0750-HO				
I / We confirm that the following projects (technically complex, health facility related projects of a similar scope and value) were completed by the Bidder and or JV Partner which serves as portfolio of evidence that I/we have the relevant experience to complete this technically complex, health facility project. (additional pages may be added if more space is required)						
Item	Name of Implementing Agent and Health Department, Name of contactable person & phone number	Name of Bidder and or JV Partner	Project Description (as described on the Practical/ Works/ Final Completion Certificate attached)	Value of Project (Including VAT)	Copy of Practical/ Works/ Final Completion Certificate attached) YES / NO	
1						
2						
3						

Attach additional pages if more space is required.

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct and noted and agreed that:

This information is required as part of the MANDATORY returnable schedules, which shall not be used as part of elimination evaluation criterion during Stage 1 Admin Compliance, but this information will be checked and verified as part of due diligence Technical Risk Analysis and during the In-Loco inspections, before Adjudication and award, and should the findings indicate a commercial risk to the Client, the bid shall not be awarded to the highest scorer bidder.

Signed

Date

Name

Position

Name of
Bidder &
Names of JV
Partners

**COPIES OF PRACTICAL / WORKS / FINAL COMPLETION
CERTIFICATES OF LIST OF PROJECTS PREVIOUSLY
COMPLETED (ATTACH HERE)**

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct and noted and agreed that:

This information is required as part of the MANDATORY returnable schedules, which shall not be used as part of elimination evaluation criterion during Stage 1 Admin Compliance, but this information will be checked and verified as part of due diligence Technical Risk Analysis and during the In-Loco inspections, before Adjudication and award, and should the findings indicate a commercial risk to the Client, the bid shall not be awarded to the highest scoring bidder.

Signed

Date

Name

Position

Name of
Bidder &
Names of JV
Partners

DETAILS OF ALL RESOURCES, PLANT AND EQUIPMENT TO EXECUTE THIS SERVICE (ATTACH HERE)

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct and noted and agreed that:

This information is required as part of the MANDATORY returnable schedules, which shall not be used as part of elimination evaluation criterion during Stage 1 Admin Compliance, but this information will be checked and verified as part of due diligence Technical Risk Analysis and during the In-LoCo inspections, before Adjudication and award, and should the findings indicate a commercial risk to the Client, the bid shall not be awarded to the highest scoring bidder.

Signed _____ Date _____

Name _____ Position _____

Name of Bidder & Names of JV Partners _____

CONTRACTORS CURRENT WORKLOAD

BID DESCRIPTION	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT				
SCMU NUMBER	SCMU3-23/24-0750-HO				
I / We confirm that the following projects are currently active projects that we as the Bidder and or JV Partner are involved with. (additional pages may be added if more space is required)					
Item	Name of Implementing Agent and Health Department, Name of contactable person & phone number	Project Description	Value of Project (Including VAT)	Start date	Anticipated Completion date
1			R		
2			R		
3			R		
4			R		

Attach additional pages if more space is required.

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct and noted and agreed that:

This information is required as part of the MANDATORY returnable schedules, which shall not be used as part of elimination evaluation criterion during Stage 1 Admin Compliance, but this information will be checked and verified as part of due diligence Technical Risk Analysis and during the In-Loco inspections, before Adjudication and award, and should the findings indicate a commercial risk to the Client, the bid shall not be awarded to the highest scoring bidder.

Signed

Date

Name

Position

Name of Bidder & Names of JV Partners

THE CONTRACT

PART C1

AGREEMENTS AND CONTRACT DATA

PART C1.1: FORM OF OFFER AND ACCEPTANCE

FORM OF OFFER AND ACCEPTANCE

Bid Description	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT
SCMU number	SCMU3-23/24-0750-HO

OFFER

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

“UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT.”

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

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

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

.....
.....

.....Rand (in words);

R(in figures) (or other suitable wording)

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

Signature

Name

Capacity

for the tenderer

(Name and address of organization)

Name and signature

of witness

Date

ACCEPTANCE

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

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

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable 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 form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within 3 weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five working days of the date of such receipt notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.¹

Signature

.....
Name Ms. S. Gede

Capacity:
Acting Head of the Eastern Cape Department of Health

for the Employer

Eastern Cape Department of Health
Dukumbana Building, Independence Avenue
BHISHO

.....
(Name and address of organization)

Name and signature
of witness Date

Schedule of Deviations

1 Subject _____
Details _____

2 Subject _____
Details _____

3 Subject _____
Details _____

4 Subject _____
Details _____

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/ quotation 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.

¹ *As an alternative, the following wording may be used:*

Notwithstanding anything contained herein, this agreement comes into effect two working days after the submission by the employer of one fully completed original copy of this document including the schedule of deviations (if any), to a courier-to-counter delivery / counter-to-counter delivery / door-to-counter delivery / door-to-door delivery / courier service (delete that which is not applicable), provided that the employer notifies the tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now contractor) within seven working days of the date of such submission notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties

PART C1.2: CONTRACT DATA

The Joint Building Contracts Committee® - NPC
CONTRACT DATA
 For use by ORGANS OF STATE and other PUBLIC SECTOR BODIES
Principal Building Agreement
Edition 6.2 - May 2018

A PROJECT INFORMATION

A1.0 Works [1.1]

Project name	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT
Reference number	SCMU3-23/24-0750-HO
Works description	Refer to document C3 – Scope of Work

A2.0 Site [1.1]

Erf / stand number	Refer to document C4 – Site Information
Township / Suburb	New Brighton
Site address	Refer to document C4 – Site Information
Local authority	Nelson Mandela Bay Municipality

A3.0 Employer [1.1]

Official Name of Organ of State / Public Sector Body	Eastern Cape Department of Health
Business registration number	N/A
VAT/ number	N/A
Country	South Africa
Employer's representative: Name	Ms. S. Gede Acting Head of Department Eastern Cape Department of Health
Telephone number	040 608 9501

Physical address	EASTERN CAPE DEPARTMENT OF HEALTH: SUPPLY CHAIN MANAGEMENT OFFICE, GLOBAL LIFE CENTRE, SCM UNIT, C/O PHALO AVENUE AND R63 BHISHO.
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A4.0 Principal Agent [1.1]

Name	MDA Architects		
Legal entity of above	MDA Architects cc	Contact person	Duncan Angus
Practice number		Telephone number	041 373 0228
		Mobile number	082 373 4264
Country	South Africa	E-mail	receptionpe@mdaarch.co.za
Postal address	PO Box 6132 Walmer GQEBERHA	Postal Code	6070
Physical address	18 Park Lane Central GQEBERHA	Postal Code	NA

A5.0 Agent [1.1]

Discipline	Architect		
Name	MDA Architects		
Legal entity of above	MDA Architects cc	Contact person	Duncan Angus
Practice number		Telephone number	041 373 0228
		Mobile number	082 373 4264
Country	South Africa	E-mail	receptionpe@mdaarch.co.za
Postal address	PO Box 6132 Walmer, Gqeberha	Postal Code	6070
Physical address	18 Park Lane Central, Gqeberha	Postal Code	N/A

A6.0 Agent [1.1]

Discipline	Quantity Surveyor		
Name	Imvelo Quantity Surveyors CC		
Legal entity of above	Imvelo Quantity Surveyors CC	Contact person	Mike Rooney
Practice number	2002/002451/23	Telephone number	043 748 5209
		Mobile number	082 376 3213
Country	South Africa	E-mail	mike@imveloqs.co.za
Postal address	PO Box 710, Gonubie	Postal Code	5256
Physical address	81 Beaconsfort Drive, Beacon Bay	Postal Code	5241

A7.0 Agent [1.1]

Discipline	Civil Engineer		
Name	Lukhozi Consulting Engineers (Pty) Ltd		
Legal entity of above	Lukhozi Consulting Engineers Pty (Ltd)	Contact person	Conrad Bezuidenhout
Practice number	2000/006344/07	Telephone number	041 363 1984
		Mobile number	081 264 8063
Country	South Africa	E-mail	c.bezuidenhout@lukhozi.co.za
Postal address	Same as physical	Postal Code	
Physical address	36 Pickering Street, Newton Park, Gqeberha	Postal Code	6045

A8.0 Agent [1.1]

Discipline	Structural Engineer		
Name	Lukhozi Consulting Engineers (Pty) Ltd		
Legal entity of above	Lukhozi Consulting Engineers Pty (Ltd)	Contact person	Louis Coetzer
Practice number	2000/006344/07	Telephone number	043 721 1321
		Mobile number	082 894 0816
Country	South Africa	E-mail	l.coetzer@lukhozi.co.za
Postal address	Same as physical	Postal Code	
Physical address	36 Pickering Street, Newton Park, Gqeberha	Postal Code	6045

A9.0 Agent [1.1]

Discipline	Electrical Engineer		
Name	Lukhozi Consulting Engineers (Pty) Ltd		
Legal entity of above	Lukhozi Consulting Engineers Pty (Ltd)	Contact person	Bernard Oosthuizen
Practice number	2000/006344/07	Telephone number	021 686 2550
		Mobile number	082 410 9577
Country	South Africa	E-mail	b.oosthuizen@lukhozi.co.za
Postal address	Same as physical		Postal Code
Physical address	36 Pickering Street, Newton Park, Gqeberha		Postal Code 6045

A10.0 Agent [1.1]

Discipline	Mechanical Engineer		
Name	Lukhozi Consulting Engineers (Pty) Ltd		
Legal entity of above	Lukhozi Consulting Engineers Pty (Ltd)	Contact person	Bruce Maliti
Practice number	2000/006344/07	Telephone number	043 721 1321
		Mobile number	073 796 9069
Country	South Africa	E-mail	b.maliti@lukhozi.co.za
Postal address	Same as physical		Postal Code
Physical address	36 Pickering Street, Newton Park, Gqeberha		Postal Code 6045

A11.0 Agent [1.1]

Discipline	Occupational Health and Safety Agent		
Name	Safe Working Practice		
Legal entity of above	Safe Working Practice	Contact person	Jay Bhana
Practice number		Telephone number	043 735 1774
		Mobile number	084 479 2294
Country	South Africa	E-mail	buffalo@safeppractice.co.za
Postal address	Same as physical		Postal Code
Physical address	4 Essex Road, Vincent, East London		Postal Code 5217

A12.0 Agent [1.1]

Discipline			
Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			Postal Code
Physical address			Postal Code

B CONTRACT INFORMATION

B 1.0 Definitions [1.1]

Bills of quantities: System/Method of measurement	Standard System of Measuring Building Work (Sixth Edition) as amended
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B 2.0 Law, regulations and notices [2.0]

Law applicable to the works , state country [2.1]	Republic of South Africa
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B 3.0 Offer and acceptance [3.0]

Currency applicable to this agreement [3.2]	South African Rand
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B 4.0 Documents [5.0]

The original signed agreement is to be held by the principal agent [5.2], if not, indicate by whom	Employer
Number of copies of construction information issued to the contractor at no cost [5.6]	Three (3)

Documents comprising the agreement	Page numbers
The JBCC® Principal Building Agreement, Edition 6.2 May 2018	1 to 30
The JBCC® Principal Building Agreement - Contract Data for Organs of State and other Public Sector Bodies, Edition 6.2 May 2018	1 to 18
The JBCC® General Preliminaries for use with the JBCC® Principal Building Agreement, Edition 6.2 May 2018	1 to 7

Contract drawings – description	Number	Revision	Date
Site Plan	MDA 477(A6)-200		08/02/2024
Floor Plan	MDA 477(A6)-201		08/02/2024
Door & Window Schedule	MDA 477(A6)-202		08/02/2024
Door Details	MDA 477(A6)-202a		08/02/2024
Bump Rail Detail	MDA 477(A6)-203		08/02/2024
Sections	MDA 477(A6)-204		08/02/2024

and/or

Insurances by Contractor			Amount including tax	Deductible amount including tax
Yes / No:	Yes			
	New works [10.1.1] (contract sum or amount)		N/A	N/A
or	Works with practical completion in sections [10.2] (contract sum or amount)		To the minimum value of the contract sum + 10%	With a deductible not exceeding 5% of each and every claim
or	Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works)		To the minimum value of the contract sum + 10%	With a deductible not exceeding 5% of each and every claim
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance		N/A	
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance		N/A	
	Escalation, professional fees and reinstatement costs if not included above		N/A	
Total of the above contract works insurance amount			To the minimum value of the contract sum + 10%	
Supplementary insurance [10.1.2; 10.2]			No	
Public liability insurance [10.1.3; 10.2]			R5 million	
Removal of lateral support insurance [10.1.4; 10.2]			No	
Other insurances [10.1.5]				
Yes/ No?	No	If yes, description 1		
Hi Risk Insurance [10.1.5.1]				
Yes/ No?	No	If yes, description 2		

B 7.0 Obligations of the employer [12.1]

Existing premises will be in use and occupied [12.1.2]		Yes / No?	Yes
If yes, description	<p>The Contractor will, throughout the entire period of the works, be responsible for the proper and adequate protection of property and the public and ECDOHs personnel from damage or injury resultant from the works and for the proper security of the site at all times during the course of the works. Further, the Contractor must allow for all temporary hoardings, walkways, etc. required by the Local Authorities, National Building Regulations. OHS Act and or demanded by his own requirements.</p> <p>Allowance must further be made for periodic adjustment of any hoardings/ temporary fencing and for their eventual removal and for making good. All other temporary fencing hoardings etc. Required must be priced for in the Preliminaries of these Bills of Quantities. Allowance must be made for periodic adjustment of any hoardings aligned to the project phasing and for their eventual removal and for making good.</p> <p>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.</p>		
Restriction of working hours [12.1.2]		Yes / No?	Yes
If yes, description	07h30 to 17h00 Weekdays only. Work required to be executed outside of these hours must be arranged with the Facilities Manager and the management of the facility, in advance. No costs shall be claimable connected thereto.		
Natural features and known services to be preserved by the contractor [12.1.3]		Yes / No?	Yes
If yes, description	Existing services that are to be preserved are indicated in the existing service layout plan.		
Restrictions to the site or areas that the contractor may not occupy [12.1.4]		Yes / No?	Yes
If yes, description	Work areas and restricted areas are defined on the drawing specifying the site establishment.		
Supply of free issue [12.1.10]		Yes / No?	No
If yes, description			

B 8.0 Nominated subcontractors [14.0]

Yes / No?	No	If yes, description of specialisation
		Specialisation 1
		Specialisation 2
		Specialisation 3
		Specialisation 4
		Specialisation 5
		Specialisation 6
		Specialisation 7
		Specialisation 8
		Specialisation 9

B 9.0 Selected subcontractors [15.0]

Yes / No?	No	If yes, description of specialisation
		Specialisation 1
		Specialisation 2
		Specialisation 3
		Specialization 4
		Specialization 5
		Specialisation 6
		Specialisation 7
		Specialisation 8
		Specialisation 9
		Specialisation 10

B 10.0 Direct contractors [16.0]

Yes / No?	No	If yes, description of extent of work
		Extent of work [12.1.11]
		Extent of work [12.1.11]
		Extent of work [12.1.11]
		Extent of work [12.1.11]
		Extent of work [12.1.11]

B 11.0 Description of sections [20.1]

<p>Section 1</p>	<p>Commences at site handover and encompasses the following works:</p> <ul style="list-style-type: none"> • Conversion of existing X-Ray room to a Dissecting Facility • Commence external site works. <p>Allow for period of inspection, commissioning and hand over.</p>
<p>Section 2</p>	<p>To commence 1 week after sectional practical completion has been taken for section 1. The contractor is to note the hospital staff and equipment will need to move into section 1 before contractor can commence with section 2. The contractor must include one week in their program for the hospital to move from the existing to the newly constructed facilities. The one week is deemed to be included in the contract period for section 2.</p> <ul style="list-style-type: none"> • Renovation / rehabilitation and upgrade of 3x cold rooms and compressor area. • Conversion of existing “dead” space to a dissecting facility. • Complete external site works. <p>Allow for period of inspection, commissioning and hand over.</p>
<p>Section 3</p>	<p>To commence 1 week after sectional practical completion has been taken for section 2. The contractor is to note the hospital staff and equipment will need to move into section 2 before contractor can commence with section 3. The contractor must include one week in their program for the hospital to move from the existing to the newly constructed facilities. The one week is deemed to be included in the contract period for section 3.</p> <ul style="list-style-type: none"> • Renovation / rehabilitation and upgrade of 2x cold rooms, body reception, 2x offices, viewing rooms and 2x existing dissection stations. <p>Allow for period of inspection, commissioning and hand over.</p>
<p>Section 4</p>	<p>To commence 1 week after sectional practical completion has been taken for section 3. The contractor is to note the hospital staff and equipment will need to move into section 3 before contractor can commence with section. The contractor must include one week in their program for the hospital to move from the existing to the newly constructed facilities. The one week is deemed to be included in the contract period for section 4.</p> <ul style="list-style-type: none"> • Conversion of existing incinerator to archive. • Install air-conditioning to 6 offices, server room, Forensic Exhibits store and board room. • Convert existing kitchen to server room. • Convert existing laundry to new Forensic Exhibit store. • Reconfigure entrance waiting area and reception. <p>Allow for period of inspection, commissioning and hand over to client.</p>

B 12.0 Possession of site [12.1.5], practical completion [19.0; 20.0] and penalty [24.0]

Practical completion for the works as a whole	Intended date of possession of the site Refer B17.0 [12.1.5; 12.2.22]	Period for inspection by the principal agent [19.3]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]	Penalty for late completion [24.1]
	 	working days	Period in months	Penalty amount per calendar day (excl. tax)
	 			

or where **sections** are applicable

Practical completion of a section of the works	Intended date of possession of the site Refer B17.0 [12.1.5; 12.2.22]	Period for inspection by the principal agent [19.3]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]	Penalty for late completion [24.1]
Section 1	 	5 Working days	3 Calendar months	2.5c / R100 of Contract amount
Section 2	 	5 Working days	3 Calendar months which includes a 1-week decanting period starting on the completion of section 1	2.5c / R100 of Contract amount
Section 3	 	5 Working days	5 Calendar months which includes a 1-week decanting period starting on the completion of section 2	2.5c / R100 of Contract amount
Section 4	 	5 Working days	2 Calendar months which includes a 1-week decanting period starting on the completion of section 3	2.5c / R100 of Contract amount
Section 5	 			

Remainder of the works				
------------------------	---	--	--	--

Criteria to achieve practical completion not covered in the definition of practical completion
No further Criteria

B 13.0 Defects liability period [21.0]

Extended defects liability period: Refer B17.0 [21.13]	Yes / No?	Yes
If yes, description of applicable elements	The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect to all works.	

B 14.0 Payments [25.0]

Date of month for issue of regular payment certificates [25.2]	30th		
Contract price adjustment / Cost fluctuations [25.3.4; 26.9.5]	Yes / No?	Yes	Base date: Month of tender closing
If yes, method to calculate	CPAP calculated with Haylett formulae based on indices as provided by Stats SA		
Employer shall pay the contractor within: [25.10]	Thirty (30) calendar days		

B 15.0 Dispute resolution [30.0]

Adjudication [30.6.1; 30.10] Name of nominating body	Refer to Part C1.3 Dispute Resolution Mechanism	
Applicable rules for adjudication [30.6.2]	Adjudication in accordance with the CIDB adjudication process	
Arbitration [30.7.4; 30.10]	Yes / No?	No
If Yes, name of nominating body		
*If No, then dispute will be referred to litigation		
Applicable rules for arbitration [30.7.5]	N/A	

B 16.0 JBCC® General Preliminaries – selections

Provisional bills of quantities [B2.2]	Yes / No?	Yes
Availability of construction information – is the construction information complete? [B2.3]	Yes / No?	No
Previous work - dimensional accuracy - details of previous contract(s) [B3.1]	N/A	
Previous work - defects - details of previous contract(s) [B3.2]	N/A	
Inspection of adjoining properties - details [B3.3]	N/A	
Handover of site in stages - specific requirements [B4.1]	<p>Yes.</p> <ul style="list-style-type: none"> • Section 2 shall commence 1 week after the completion of section 1 to allow for the decanting of hospital staff. • Section 3 shall commence 1 week after the completion of section 2 to allow for the decanting of hospital staff. • Section 4 shall commence 1 week after the completion of section 3 to allow for the decanting of hospital staff. 	
Enclosure of the works - specific requirements [B4.2]	<p>The contractor will be restricted to work only within the area demarcated for that specific project work section as per site establishment drawings. The contractor is to note that the project is being constructed in sections as set out in B11, which might result in the contractor having to de-establish and re-establish the site office on site to suite their own requirements. The contractor must take cognisance of the above restrictions and sectional completion of the project and price the above in the preliminaries section of the BoQ. No claims in this regard will be considered.</p>	
Geotechnical and other investigations - specific requirements [B4.3]	N/A	

Existing premises occupied - details [B4.5]		Working areas will be occupied. The project is to be constructed in four sections as described in B11. Temporary works and hoarding have been measured in the BoQ. Any other hoardings etc. to comply with the Construction Regulations 2014 and any other legal requirements or legislation must be priced in the Preliminaries section of the bills of Quantities. The contractor must allow in their preliminaries section, for the periodic adjustment of any hoardings and their eventual removal and making good. No claims for additional hoardings etc will be entertained. The contractor must ensure minimal disruption to the operation of the hospital and keep dust and noise to a minimum.	
Services - known - specific requirements [B4.6]		Yes, refer to survey diagram and Engineers Drawing which are annexed to this bid document.	
Water [B8.1]	By contractor	Yes / No?	Yes
	By employer	Yes / No?	No
	By employer – metered	Yes / No?	No
Electricity [B8.2]	By contractor	Yes / No?	Yes
	By employer	Yes / No?	Yes
	By employer – metered	Yes / No?	No
Ablution and welfare facilities [B8.3]	By contractor	Yes / No?	Yes
	By employer	Yes / No?	No
Communication facilities - specific requirements [B8.4]		No specific requirements	
Protection of the works - specific requirements [B11.1]		Yes. Refer to decanting plan and Scope of Works and Health and Safety Plan which are annexed to this bid document	
Protection / isolation of existing works and works occupied in sections - specific requirements [B11.2]		Yes. Refer to decanting plan and Scope of Works and Health and Safety Plan which are annexed to this bid document	
Disturbance - specific requirements [B11.5]		Yes. Refer to decanting plan and Scope of Works and Health and Safety Plan which are annexed to this bid document	
Environmental disturbance - specific requirements [B11.6]		No specific requirements	

B 17.0 Changes made to JBCC® documentation

Reference may be made to other documents forming part of this **agreement**

1.1 Definitions

AGREEMENT: The completed Form of Offer and Acceptance, the completed **JBCC®** Principal Building Agreement and **JBCC® contract data for organs of state and other public sector bodies, the contract drawings, the priced document** and any other documents reduced to writing and signed by the authorised representatives of the **parties**

CONSTRUCTION PERIOD: The period commencing on the date of possession of the **site** by the **contractor** and ending on the date of **practical completion**

CONTRACT PERIOD: The period commencing on the date of the Employer accepting the offer by signing the Form of Offer and Acceptance and ending on the date of final completion

COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule

DEFAULT INTEREST: No Clause

GUARANTEE FOR CONSTRUCTION: A security in terms of the ECDOH's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD]

CONTRACT DATA FOR ORGANS OF STATE AND OTHER PUBLIC SECTOR BODIES: The document listing the Organs of State and other Public Sector Bodies' requirements and the project specific information

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), calculated as simple interest, in respect of debts owing to the State, and will be the rate as determined by the Minister of Justice and Constitutional Development from time to time 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999), calculated as simple interest, in respect of debts owing by the State

LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer

PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3

PRINCIPAL AGENT: The person or entity appointed by the **employer** and named in the **contract data for organs of state and other public sector bodies**. 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 the employer's representative as named in the **contract data for organs of state and other public sector bodies**

3.0 Offer and Acceptance

Amend 3.3 to read as follows:

This **agreement** shall come into force on the date as stated on the Form of Offer and Acceptance and continue to be of force and effect until the end of the **latent defects** liability period [22.0] notwithstanding termination [29.0] or the certification of **final completion** [21.0] and final payment [25.0]

4.0 Cession and Assignment

Replace Clause 4.3 with the following:

Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained

5.0 Documents

Replace Clause 5.4 with the following:

The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference

Replace Clause 5.5 with the following:

The parties may publish or disclose on any platform only the contract scope and contract amount

6.0 Employer's Agents

Replace Clause 6.5 with the following:

Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent

Add the following as 6.7:

In terms of the clauses listed hereunder, the **employer** has retained its authority and has not given a mandate to the **principal agent**. The **employer** shall sign all documents in relation to clauses 4.2, 14.1.2, 14.1.4, 14.4.1, 14.6, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12 and 28.4

8.0 Works Risk

Replace Clause 8.4 with the following:

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

9.0 Indemnities

9.2.7: Add the following to the end of the first sentence: "... due to no fault of the **contractor**"

9.2.9 No Clause

9.2.10 No Clause

Add the following as clause 9.3:

The employer's rights to claim damages for the contractor's omissions and actions will not be affected.

10.0 Insurances

Add the following as 10.1.5.1:

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 sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.1.5.1.1 Damage to **the works**

The contractor shall, from the date of possession of the **site** 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

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

10.1.5.1.2 Injury to persons or loss of or damage to property

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

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or 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

10.1.5.1.3

It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the **contractor’s** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the date of possession of the site, but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

10.1.5.1.4

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 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. 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

11.0 Securities

Replace Clauses 11.1, 11.1.1, 11.1.2, 11.2.1 and 11.2.2 with the following:

The security to be provided by the contractor to the employer will be a fixed construction guarantee of 10% of the contract value.

- 11.3 No Clause
- 11.4 No Clause
- 11.5 No Clause
- 11.6 No Clause
- 11.6 No Clause
- 11.7 No Clause
- 11.8 No Clause
- 11.9 No Clause
- 11.10 No Clause

12.0 Obligations of the Parties

- 12.1.1 No Clause

Replace Clause 12.1.5 with the following:

Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22

- 12.1.6 No Clause

- 12.1.8 No Clause

Replace Clause 12.2.2 with the following:

The priced Bills must be submitted as part of the returnable documents. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum

Replace Clause 12.2.5 with the following:

Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0) [CD]

Replace Clause 12.2.13 with the following:

Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor

Add the following as Clause 12.2.22:

Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

Add the following as Clause 12.2.23:

The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]

19.0 Practical Completion

Replace Clause 19.5 with the following:

On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section

21.0 Defects Liability Period and Final Completion

Clause 21.0

Replace Clause 21.1 with the following:

The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6], whichever is the later (if we use works completion)

Replace Clause 21.6 with the following:

On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent

And/or

On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall:

- (1) inspect the works And within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or
- (2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired

21.6.1 Omit Clause

21.6.2 Omit Clause

Add the following as Clause 21.13:

The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14

Add the following as Clause 21.14:

Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0

23.0 Latent Defects Liability Period

22.3.2 No Clause

24.0 Penalty for Late and Non-completion

Replace Clause 24.1 with the following:

Where the contractor fails to bring the works, or a section thereof, to practical or final- completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]

Replace Clause 24.2 with the following:

Where the employer elects to levy such penalty the employer, or the principal agent on instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical- works-, or final- completion [CD], or the revised date for practical- works-, or final- completion, up to and including the earlier of:

Replace Clause 24.2.1 with the following:

The actual or deemed date of practical or final- completion, of the works, or a section thereof [23.7.1]

25.0 Payment

Replace Clause 25.2 with the following:

The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount

Add the following to Clause 25.3:

25.3.12 Tax Invoice

25.5 No Clause

Replace Clause 25.6 with the following:

Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.

25.7.5 No clause.

Replace Clause 25.10 with the following:

The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate

25.10: Delete the words “and/or **compensatory interest**”

Replace Clauses 25.12 to 25.12.3 with the following:

Clause 25.12

The value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

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

25.12.2 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

25.12.3 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 26

25.12.4 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 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.

25.14.2: Not applicable

26.0 Adjustment of the Contract Value and Final Account

Ref Clause 6.7 [CD] – Clause 26.1

Omit Clause 26.4.3

Ref Clause 6.7 [CD] – Clause 26.7

Replace Clause 26.10 with the following:

The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion

27.0 Recovery of Expense and/or Loss

Clause 27.0

Replace Clause 27.1.2 with the following:

Interest due to late payment only

Replace Clause 27.1.4 with the following:

Interest due to late payment only

27.1.5 No Clause

Replace Clause 27.5 with the following:

Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security

29.0 Termination

Clause 29.0

Add the following as Clause 29.1.4:

The contractor's estate has been sequestered, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

Add the following as Clause 29.1.5:

The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract

Add the following as Clause 29.1.6:

Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.

Replace Clause 29.7 with the following:

The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3]

Replace Clause 29.9 with the following:

The employer has the right of recovery against the contractor, where applicable, [CD] from:

The payment reduction until the final payment is made;

29.14.1 No Clause

29.14.3 No Clause

29.14.4 No Clause

29.14.5 No Clause

29.14.6 No Clause

29.14.7 No Clause

29.15 No Clause

29.16 No Clause

29.17.3 No Clause

29.17.6 No Clause

29.21.5 No Clause

29.22 No Clause

29.23 No Clause

29.25.3 No Clause

29.25.4 No Clause

29.27 No Clause

30.0 Dispute Resolution

Replace Clause 30.2 with the following:

Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation

30.3 to 30.7.7 No Clauses

Replace Clause 30.8 with the following:

The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:

30.8.1 No Clause

Replace Clause 30.8.2 with the following:

The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties

Replace Clause 30.8.3 with the following:

Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses

Replace Clause 30.9 with the following:

Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse

30.10 No Clause

30.12 No Clause

Add the following additional Clause.

It is a condition of contract that:

The contractor shall achieve in the performance of the contract the Contract Skills Development Goal (CSDG) established in the CIDB Standard for Developing Skills through Infrastructure Contracts, published in Gazette Notice No.48491 of 28 April 2023.

The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the cidb Standard for Indirect Targeting for Enterprise Development through Construction works Contracts, published in Gazette Notice No.36190 of 25 February 2013.

The main contractor shall provide a minimum Contract Participation Goal (CPG) of 5% of the total project value and develop targeted enterprises in two agreed developmental areas as per clause 3.2.1 of the Indirect Targeting Standard (Gazette Notice No.36190 of 25 February 2013).

C TENDERER'S SELECTIONS

C 1.0 Security [11.0]

Guarantee for construction: Select Option A or B		Option:	A
Option A	Fixed construction guarantee of 10% of the contract		
Guarantee for payment by employer [11.5.1; 11.10]		Not Applicable	
Advance payment, subject to a guarantee for advance payment [11.2.2; 11.3]		Not Applicable	

C 2.0 Contractor's annual holiday periods during the construction period

Year 1 contractor's annual holiday period	start date		end date	
Year 2 contractor's annual holiday period	start date		end date	
Year 3 contractor's annual holiday period	start date		end date	

C 3.0 Payment of preliminaries [25.0]

Contractor's selection: Select Option A or B	Option:	
Where the contractor does not select an option, Option A shall apply		

Payment methods

Option A	The preliminaries shall be paid in accordance with an amount prorated to the value of the works executed in the same ratio as the amount of the preliminaries to the contract sum , which contract sum shall exclude the amount of preliminaries . Contingency sum(s) and any provision for cost fluctuations shall be excluded for the calculation of the aforesaid ratio
Option B	The preliminaries shall be paid in accordance with an amount agreed by the principal agent and the contractor in terms of the priced document to identify an initial establishment charge, a time-related charge and a final dis-establishment charge. Payment of the time-related charge shall be assessed by the principal agent and adjusted from time to time as may be necessary to take into account the rate of progress of the works

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) of the **contract sum**, excluding contingency sum(s) and any provision for cost fluctuations

C 4.0 Adjustment of preliminaries [26.9.4]

Contractor's selection: Select Option A or B	Option:	
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Where the contractor does not select an option, Option A shall apply

Provision of particulars

The **contractor** shall provide the particulars for the purpose of the adjustment of **preliminaries** in terms of his selection. Where completion in sections **is** required, the **contractor** shall provide an apportionment of **preliminaries** per **section**

Option A	An allocation of the preliminaries amounts into Fixed, Value-related and Time-related amounts as defined for adjustment method Option A below, within fifteen (15) working days of the date of acceptance of the tender
Option B	A detailed breakdown of the preliminaries amounts within fifteen (15) working days of possession of the site. Such breakdown shall include, inter alia, the administrative and supervisory staff, the use of construction equipment , establishment and dis-establishment charges, insurances and guarantees, all in terms of the programme

Adjustment Methods

The amount of **preliminaries** shall be adjusted to take account of the effect which changes in time and/or value have on **preliminaries**. Such adjustment shall be based on the particulars provided by the **contractor** for this purpose in terms of Options A or B, shall preclude any further adjustment of the amount of **preliminaries** and shall apply notwithstanding the actual employment of resources by the **contractor** in the execution of the **works**

Option A	<p>The preliminaries shall be adjusted in accordance with the allocation of preliminaries amounts provided by the contractor, apportioned to sections where completion in sections is required</p> <p>Fixed - An amount which shall not be varied</p> <p>Value-related - An amount varied in proportion to the contract value as compared to the contract sum. Both the contract sum and the contract value shall exclude the amount of preliminaries, contingency sum(s) and any provision for cost fluctuations</p> <p>Time-related - An amount varied in proportion to the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4]</p>
Option B	<p>The adjustment of preliminaries shall be based on the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4]</p> <p>The adjustment shall take into account the resources as set out in the detailed breakdown of the preliminaries for the period of construction during which the delay occurred</p>

Failure to provide particulars within the period stated

Option A	<p>Where the allocation of preliminaries amounts for Option A is not provided, the following allocation of preliminaries amounts shall apply:</p> <p>Fixed - Ten per cent (10%) Value-related - Fifteen per cent (15%) Time-related - Seventy-five per cent (75%)</p> <p>Where the apportionment of the preliminaries per section is not provided, the categorized amounts shall be prorated to the cost of each section within the contract sum as determined by the principal agent</p>
Option B	<p>Where the detailed breakdown of preliminaries amounts for Option B is not provided, Option A shall apply</p>

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) Of the **contract sum**, excluding contingency sum(s) and any provision for cost fluctuations



GUARANTEE FOR CONSTRUCTION (PRO-FORMA)



Guarantee for Construction

For use with the JBCC® Principal Building Agreement edition /date

GUARANTOR DETAILS AND DEFINITIONS

Guarantor:

Physical Address:

Guarantor's signatory 1: Capacity

Guarantor's signatory 2: Capacity

Employer:

Contractor:

Principal Agent:

Works:

Site:

Contract Sum: Accepted amount inclusive of tax Currency

Amount in words:

Guaranteed Sum: The maximum aggregate amount Currency

Amount in words:

Guarantee for Construction: (Insert Variable or Fixed)

Expiry Date:

AGREEMENT DETAILS

Sections: Total number / not applicable Last Section

Principal Agent issues JBCC® format Recovery Statement, Interim Payment Certificates, the Final Payment Certificate, the Certificate of Practical Completion and the Certificate of Final Completion

1.0 GUARANTEE FOR CONSTRUCTION (Variable)

1.1 Where a Guarantee for Construction (Variable) in terms of the Agreement has been selected this clause 1.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the diminishing amounts of the Guaranteed Sum as follows:-

GUARANTOR'S LIABILITY

1.1.1 Maximum Guaranteed Sum (not exceeding 10.0% of the contract sum) in the amount of:

Amount in words:

PERIOD OF LIABILITY

From and including the date of issue of this Guarantee for Construction and up to and including the date of issue of the Interim Payment Certificate certifying in excess of 50% of the contract sum



1.1.2 Reducing to the Guaranteed Sum (not exceeding 6.0% of the contract sum) in the amount of:

From and including the day after the date of the aforesaid Interim Payment Certificate and up to and including the date of issue of the only Certificate of Practical Completion or last Certificate of Practical Completion where there are sections

Amount in words:

1.1.3 Reducing to the Guaranteed Sum (not exceeding 4.0% of the contract sum) in the amount of:

From and including the day after the date of the applicable Certificate of Practical Completion and up to and including the date of issue of the only Certificate of Final Completion or the last Certificate of Final Completion where there are sections

Amount in words:

1.1.4 Reducing to the Guaranteed Sum (not exceeding 2.0% of the contract sum) in the amount of:

From and including the day after the date of the applicable Certificate of Final Completion and up to and including the date of issue of the Final Payment Certificate where payment is due to the Contractor, whereafter this Guarantee for Construction shall expire. Where the Final Payment Certificate reflects payment due to the Employer, this Guarantee for Construction shall expire upon payment of the full amount certified

Amount in words:

1.2 The Guarantor's liability limits set out in 1.1.1 to 1.1.4 shall apply in respect of any claim received by the Guarantor during the guarantee validity period

2.0 GUARANTEE FOR CONSTRUCTION (Fixed)

2.1 Where a Guarantee for Construction (fixed) in terms of the Agreement has been selected this clause 2.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:

GUARANTOR'S LIABILITY

Maximum Guaranteed Sum (not exceeding 5.0% of the contract sum) in the amount of:

PERIOD OF LIABILITY

From and including the date of issue of this Guarantee for Construction and up to and including the date of the only Certificate of Practical Completion or the last Certificate of Practical Completion where there are sections, whereafter this Guarantee for Construction shall expire

Amount in words:

3.0 The Guarantor acknowledges that:

3.1 Any reference in this Guarantee for Construction to the Agreement is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention to create a suretyship;

3.2 Its obligation under this Guarantee for Construction is restricted to the payment of money; and

3.3 Reference to a Recovery Statement or an Interim or Final Payment Certificate, or a Certificate(s) of Practical or Final Completion shall mean such certificate issued by the Principal Agent.

4.0 Subject to the Guarantor's maximum liability referred to in 1.0 or 2.0, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4. 3:



PART C1.3: DISPUTE RESOLUTION MECHANISM



C1.3 CIDB ADJUDICATOR'S AGREEMENT

C1.3 CIDB ADJUDICATOR'S AGREEMENT

This agreement is made on the day of between:.....
 (name of company / organization) of

 (address) and.....
 (name of company / organization) of

 . (address) (the Parties) and..... (name) of

 (address) (the Adjudicator).

Disputes or differences may arise/have arisen* between the Parties under a Contract dated
 ... and known as.....
 and these disputes or differences shall be/have been* referred to adjudication in accordance
 with the CIDB Adjudication Procedure, (hereinafter called "the Procedure") and the Adjudicator may
 be or has been requested to act.

* Delete as necessary

IT IS NOW AGREED as follows:

- 1 The rights and obligations of the Adjudicator and the Parties shall be as set out in the Procedure.
- 2 The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the Procedure.
- 3 The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses in accordance with the Procedure as set out in the Contract Data.
- 4 The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.
- 5 The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.

SIGNED by: _____
 Name: _____
 who warrants that he / she is
 duly authorized to sign for and
 on behalf of the first Party in the
 presence of

SIGNED by: _____
 Name: _____
 who warrants that he / she is
 duly authorized to sign for and
 behalf of the second Party in
 the presence of

SIGNED by: _____
 Name: _____
 the Adjudicator in the presence
 of



Witness
Name: _____
Address: _____

Witness:
Name _____
Address: _____

Witness:
Name: _____
Address: _____

Date: _____

Date: _____

Date: _____

Contract Data

1	The Adjudicator shall be paid at the hourly rate of R. in respect of all time spent upon, or in connection with, the adjudication including time spent travelling.
2	The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to: (a) Printing, reproduction and purchase of documents, drawings, maps, records and photographs. (b) Telegrams, telex, faxes, and telephone calls. € Postage and similar delivery charges. (d) Travelling, hotel expenses and other similar disbursements. € Room charges. (f) Charges for legal or technical advice obtained in accordance with the Procedure.
3	The Adjudicator shall be paid an appointment fee of R This fee shall become payable in equal amounts by each Party within days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 1 and/or item 2 of the Contract Data. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.
4	The Adjudicator is/is not* currently registered for VAT.
5	Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.
6	All payments, other than the appointment fee (item 3) shall become due in 30 days after receipt of invoice, thereafter interest shall be payable at 5% per annum above the Reserve Bank base rate for every day the amount remains outstanding.

* Delete as necessary

PART C2 PRICING DATA

PART C2.1: PRICING INSTRUCTIONS

C2.1 Pricing Instructions

- 1 The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:
 - a) Civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Civil Engineering Works.
 - b) Mechanical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Mechanical Engineering Works.
 - c) Electrical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Electrical Engineering Works.
- 2 The agreement is based on the JBCC Edition 6.2 of 2018, prepared by the Joint Building Contracts Committee, The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
- 3 Preliminary and general requirements are based on the [preliminaries for the use of JBCC Edition 6.2– May 2018](#). Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
- 4 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).
- 5 The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are kept by the Principal Agent or Engineer and can be viewed at any time during office hours up until the completion of the works.
- 6 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted by approval of the Principal Agent.
- 7 The bills of quantities forms part of and must be read and priced in conjunction with all the other documents forming part of the contract document, The Standard Conditions of Tender, Conditions of Contract, Specifications, Drawings, The document “Construction Works: Specifications: General Specification (PW371-A) Edition 2.0” is obtainable on the Department’s website (<http://www.publicworks.gov.za/> 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 The document “Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0” is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities** / lump sum document
- 8 Where any item is not relevant to this specific contract, such item is marked N/A (signifying “not applicable”)
- 9 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminaries) of the Bills of Quantities

- 10 The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
- 11 The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract.
- 12 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 11 but taking into account the revised period for completing the works.
- 13 The amount or items of the Preliminaries shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:
 - a) an amount which is not to be varied, namely Fixed (F)
 - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
 - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).
- 14 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 13 apply or where no selection is made, the adjustments shall be based on the following breakdown:
 - a) 10 percent is Fixed
 - b) 15 percent is Value Related
 - c) 75 percent is Time Related
- 15 The adjustment of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.
- 16 The tender price must include 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.
17. The Contractor shall adhere to "The national minimum wage determined by the Minister in accordance with the National Minimum Wage Act (NMWA)", and yearly pronounced increases for duration of contract.
18. Voting day / Election Day 2024 will be a statutory public holiday and contractor must make provision in his bid. No further claims will be entertained in this regard.
19. The contractor shall determine the Contract Skills Development Goals (CSDG), expressed in Rand, which shall not be less than the contract amount multiplied by a percentage (%) factor given in Table 2 in the Standard for the applicable class of construction works.
20. The requirements of the CIDB B.U.I.L.D. Programme with respect to Indirect Targeting for Enterprise Development is set at a minimum contribution of 30% of the project's contract value

towards development support. This is the support that the successful tenderer must provide on this contract. (As per CIDB Standard for Indirect Targeting for Enterprise Development through Construction works Contracts, published in Gazette Notice No.36190 of 25 February 2013).

21. The requirements of the CIDB B.U.I.L.D. Programme with respect to the Standard for Skills Development is set at a minimum development support of 0.50% of the project's subtotal. (As per CIDB Standard for Developing Skills through Infrastructure Contracts, published in Gazette Notice No.48491 of 28 April 2023).
22. The contractor shall determine the contract skills participation goals, expressed in Rand, which shall not be less than the sub-total multiplied by a percentage factor given in Table 2 in the Standard for the applicable class of construction works. This is indicated by the percentage factor in the Final Tender Summary section. Minimum Contract Skills Development Goal (CSDG) sum = General Building GB (0.50%) x Subtotal of the tender amount.
23. The Employer shall determine the amount to be paid to the Enterprise Development Co-Ordinator for the Contract Participation Goal (CPG) on the contract and this amount shall be stated under the section Enterprise Development as a Provisional Sum in the Preliminaries and Generals (P&G's).
24. The contractor shall be paid as follows: These are recommended rates, client may change depending on the location of the project, complexity etc.). These rates must be stated by the client in the P&Gs so that all tenderers have the same rate and not result in a tenderer being disadvantaged.
 - 24.1. Needs analysis and enterprise development plan per Targeted Enterprise - R5000.00 (five thousand rands) per targeted enterprise.
 - 24.2. Mentoring and interim reporting per Targeted Enterprise - R20 000.00 (twenty thousand rands) per quarter; and
 - 24.3. Project completion report per Targeted Enterprise - R5000.00 (five thousand rands) per targeted enterprise.

PART C2.2 – BILLS OF QUANTITIES

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SECTION NO. 1
PRELIMINARIES

Item	Amount
<p><u>SECTION NO. 1</u></p>	
<p><u>PRELIMINARIES</u></p>	
<p><u>PRELIMINARIES</u></p>	
<p><u>MEANING OF TERMS “TENDER / TENDERER”</u></p>	
<p>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”</p>	
<p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p>	
<p>The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described to be read in conjunction with the Contract Data issued with the tender.</p>	
<p>The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities / lump sum document, amended as hereinafter described.</p>	
<p>The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause.</p>	
<p>The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only</p>	
<p>Where any item is not relevant to this agreement such item is marked N/A signifying 'not applicable'</p>	
<p>Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents.</p>	
<p><u>TENDERER’S SELECTIONS</u></p>	
<p>Before submission of his tender the contractor is to complete the tenderer's selections in the contract data for organs of state and other public sector bodies</p>	
<p><u>PREAMBLES FOR TRADES</u></p>	
<p>The Specification of Materials and Methods (PW371-A) as published by the Department of Public Works shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained.</p>	
<p>Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the Model Preambles.</p>	
<p>TOTAL CARRIED TO SECTION SUMMARY</p>	<p>R</p>
<p>Section No. 1 Bill No. 1 Preliminaries</p>	

Item	Amount
<p>The contractor's prices for all items throughout these bills of quantities shall take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles and/or specifications.</p>	
<p><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></p>	
<p>Section A: A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement</p>	
<p>Section B: A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries</p>	
<p>Section C : Any special clauses to meet the particular circumstances of the project</p>	
<p><u>PRICING OF PRELIMINARIES</u></p>	
<p>Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)}</p>	
<p>The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement.</p>	
<p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained.</p>	
<p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary.</p>	
<p><u>VALUE ADDED TAX</u></p>	
<p>Provision is made in the summary page of these bills of quantities / lump sum document for the inclusion of Value Added Tax (VAT).</p>	
<p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p>	
<p>Interpretation (A1-A7)</p>	
<p>1 Clause 1.0 - Definitions and interpretation</p>	Item
<p>F: V: T:</p>	
<p>The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be .</p>	
<p>AGREEMENT: The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties.</p>	
<p>TOTAL CARRIED TO SECTION SUMMARY</p>	R
<p>Section No. 1</p>	
<p>Bill No. 1</p>	
<p>Preliminaries</p>	

Item	Amount
<p>CONSTRUCTION PERIOD: The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion.</p> <p>CONTRACT PERIOD: The period commencing on the date of the Employer accepting the offer by signing the Form of Offer and Acceptance and ending on the date of final completion</p> <p>COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule.</p> <p>DEFAULT INTEREST: No Clause.</p> <p>GUARANTEE FOR CONSTRUCTION: A security in terms of the ECDOH’s Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD].</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) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State.</p> <p>LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider’s Tender / Bid, issued and signed by the Employer.</p> <p>PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3.</p> <p>PRINCIPAL AGENT: The person or entity appointed by the employer and named in the contract data for organs of state and other public sector bodies. 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 the employer’s representative as named in the contract data for organs of state and other public sector bodies.</p>	
<p>2 Clause 2.0 - Laws, regulations and notices F: V: T:</p>	Item
<p>3 Clause 3.0 - Offer and acceptance F: V: T:</p> <p>Replace Clause 3.3 with the following:</p> <p>This agreement shall come into force on the date of letter of acceptance and continue to be of force and effect until the end of the latent defects liability period [22.0] notwithstanding termination [29.0] or the certification of final completion [21.0] and final payment [25.0].</p>	Item
<p>4 Clause 4.0 - Cession and assignment F: V: T:</p> <p>Ref Clause 6.7 [CD] - Clause 4.2</p> <p>Replace Clause 4.3 with the following:</p>	Item
<p>TOTAL CARRIED TO SECTION SUMMARY</p>	<p>R</p>
<p>Section No. 1 Bill No. 1 Preliminaries</p>	

Item		Item	Amount
	Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained		
5	<p>Clause 5.0 - Documents</p> <p>F: V: T:</p>	Item	
6	<p>Replace Clause 5.4 with the following:</p> <p>The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference</p> <p>F: V: T:</p>	Item	
7	<p>Replace Clause 5.5 with the following:</p> <p>The parties may publish or disclose on any platform only the contract scope and contract amount</p> <p>F: V: T:</p>	Item	
8	<p>Clause 6.0 - Employer's agents</p> <p>F: V: T:</p> <p>Replace Clause 6.5 with the following:</p> <p>Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent.</p> <p>Add the following as Clause 6.7:</p> <p>In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent, notwithstanding other provisions in the contract. The employer shall sign all documents in relation to clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, , 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12</p>	Item	
9	<p>Clause 7.0 - Design responsibility</p> <p>F: V: T:</p> <p>Replace first sentence of Clause 7.2 with the following:</p> <p>Any design responsibility undertaken by a subcontractor shall not devolve on the contractor except for items that require specific component design and or compatibility design and or shop drawings and or the assembly thereof.</p> <p><u>Insurances and securities (A8-A11)</u></p>	Item	
10	<p>Clause 8.0 - Works risk</p> <p>F: V: T:</p> <p>Replace Clause 8.4 with the following:</p> <p>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>	Item	
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<p>11 Clause 9.0 - Indemnities</p> <p>F: V: T:</p> <p>Add the following to the end of the first sentence of Clause 9.2.7:</p> <p>“... due to no fault of the contractor</p> <p>9.2.9 No Clause</p> <p>9.2.10 No Clause</p> <p>Add the following as clause 9.3:</p> <p>The employer's rights to claim damages for the contractor's omissions and actions will not be affected.</p>	Item
<p>12 Clause 10.0 - Insurances</p> <p>F: V: T:</p> <p>Replace Clause 10.1 with the following:</p> <p>The party responsible shall effect and keep the respective insurances [CD] in force, in favour of the employer as beneficiary , from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.2]</p> <p>Add the following as Clause 10.1.5.1:</p> <p>Hi 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 sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply</p> <p>Add the following as Clause 10.1.5.1.1 Damage to the works</p> <p>The contractor shall, from the date of possession of the site 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>10.1.5.1.2 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>	Item
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Item	Amount
<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>10.1.5.1.3 Replace Clause with the following:</p>	
<p>It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the contractor’s obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the date of letter of acceptance, but before commencement of the works, submit to the employer proof of such insurance policy.</p>	
<p>10.1.5.1.4 Replace Clause with the following:</p>	
<p>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 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. 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>10.2 Replace Clause with the following:</p>	
<p>Where practical completion in sections is required [20.0), or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1], supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5) in favour of the employer as beneficiary</p>	
<p>10.6 No Clause</p>	
<p>Add the following as Clause 10.11</p>	
<p>In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay</p>	
<p>13 Clause 11.0 - Securities</p>	Item
<p>F: V: T:</p>	
<p>Add the following as to the relevant related Clauses as follows:</p>	
<p>Add the following to Clause 11.1:</p>	
<p>Replace Clauses 11.1, 11.1.1, 11.1.2, 11.2.1 and 11.2.2 with the following:</p>	
<p>The security to be provided by the contractor to the employer will be a payment reduction of ten per cent (10) of the value certified in the payment certificate (excluding VAT).</p>	
<p>11.3 No Clause</p>	
<p>11.4 No Clause</p>	
<p>11.5 No Clause</p>	
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Item	Item	Amount
11.6 No Clause		
11.6 No Clause		
11.7 No Clause		
11.8 No Clause		
11.9 No Clause		
11.10 No Clause		
<u>Execution (A12 - A17) }</u>		
14 Clause 12.0 - Obligations of the parties	Item	
F: V: T:		
12.1.1 No Clause		
Replace Clause 12.1.5 with the following:		
Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22		
12.1.6 No Clause		
12.1.8 No Clause		
Replace Clause 12.2.2 with the following:		
The priced Bills must be submitted to as part of the returnable documents. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum		
Replace Clause 12.2.5 with the following :		
Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0) [CD]		
Replace Clause 12.2.13 with the following:		
Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor		
Add the following as Clause 12.2.22:		
Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)		
Add the following as Clause 12.2.23:		
The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]		
Offices		
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	<p>The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 8 x 5 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 [12.2.18]</p> <p>Main notice board</p> <p>The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected.</p>	
15	<p>Clause 13.0 - Setting out</p> <p>F: V: T:</p>	Item
16	<p>Clause 14.0 - Nominated subcontractors</p> <p>F: V: T:</p> <p>Clause 14.0</p> <p>Ref Clause 6.7 [CD] - Clause 14.1.4</p> <p>14.1.5 No Clause</p> <p>Replace “principal agent ” with “employer” [6.7 [CD]] in Clause 14.4.1</p> <p>Ref Clause 6.7 [CD] - Clause 14.6</p>	Item N/A
17	<p>Clause 15.0 - Selected subcontractors</p> <p>F: V: T:</p> <p>Clause 15.0</p> <p>Ref Clause 6.7 [CD] - Clause 15.1.4 & Clause 15.5</p> <p>15.1.5 No Clause</p> <p>Replace Clause 15.1.2 with the following:</p> <p>The principal agent shall call for tenders from a list of tenderers agreed between the contractor and the employer</p> <p>Replace “principal agent ” with “employer” [6.7 [CD]] in Clause 15.4.1</p>	Item N/A
18	<p>Clause 16.0 - Direct contractors</p> <p>F: V: T:</p>	Item N/A
19	<p>Clause 17.0 - Contract instructions</p> <p>F: V: T:</p> <p><u>Completion (A18 - A24)</u></p>	Item
20	<p>Clause 18.0 - Interim completion</p> <p>F: V: T:</p>	Item
21	<p>Clause 19.0 - Practical completion</p> <p>F: V: T:</p> <p>Replace Clause 19.5 with the following:</p>	Item
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Item	Amount
<p>On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section</p> <p>22 Clause 20.0 - Completion in sections F: V: T:</p>	Item
<p>23 Clause 21.0 - Defects liability period and final completion F: V: T:</p> <p>Replace Clause 21.1 with the following: The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6], whichever is the later (if we use works completion) Replace Clause 21.6 with the following: On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent And/or On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall: (1) inspect the works And within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or (2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired 21.6.1 Omit Clause 21.6.2 Omit Clause Add the following as Clause 21.13: The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14 Add the following as Clause 21.14: Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have been added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0]</p>	Item
<p>24 Clause 22.0 - Latent defects liability period F: V: T:</p> <p>22.3.2 No Clause</p>	Item
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<p>Section No. 1 Bill No. 1 Preliminaries</p>	

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25	<p>Clause 23.0 - Revision of the date for practical completion</p> <p>F: V: T:</p>	Item	
26	<p>Clause 24.0 - Penalty for late or non-completion</p> <p>F: V: T:</p> <p>Replace Clause 24.1 with the following:</p> <p>Where the contractor fails to bring the works, or a section thereof, to practical, or final- completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]</p> <p>Replace Clause 24.2 with the following:</p> <p>Where the employer elects to levy such penalty the employer, or the principal agent on instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical-, or final- completion [CD], or the revised date for practical-, or final-completion, up to and including the earlier of:</p> <p>Replace Clause 24.2.1 with the following:</p> <p>The actual or deemed date of practical, or final- completion, of the works, or a section thereof [23.7.1]</p> <p><u>Payment (A25 - A27)</u></p>	Item	
27	<p>Clause 25.0 - Payment</p> <p>F: V: T:</p> <p>Replace Clause 25.2 with the following:</p> <p>The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount</p> <p>Add the following to Clause 25.3:</p> <p>25.3.12 Tax Invoice</p> <p>Replace Clause 25.6 with the following:</p> <p>Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.</p> <p>25.7.5 No clause.</p> <p>Replace Clause 25.10 with the following:</p> <p>The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate</p> <p>Replace Clauses 25.12 to 25.12.3 with the following:</p>	Item	
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Item	Amount
<p>The value certified shall be subject to the following percentage adjustments:</p> <p>(25.12.1 Where a security is selected in terms of C 1.0 Securities [11.0], the value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>25.12.2 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>25.12.3 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>25.12.4 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 26</p> <p>25.12.5 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 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> <p>Replace Clauses 25.12 to 25.12.3 with the following:</p> <p>Clause 25.12</p> <p>The value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>25.12.1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>25.12.2 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>25.12.3 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 26</p> <p>25.12.4 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 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> <p>25.14.2 Not applicable.</p>	
<p>28 Clause 26.0 - Adjustment of the contract value and final account</p>	<p>Item</p>
<p>F: V: T:</p>	
<p>Clause 26.0</p>	
<p>Ref Clause 6.7 [CD] – Clause 26.1</p>	
<p>Omit Clause 26.4.3</p>	
<p>Ref Clause 6.7 [CD] – Clause 26.7</p>	
<p>Replace Clause 26.10 with the following:</p>	
<p>TOTAL CARRIED TO SECTION SUMMARY</p>	<p>R</p>
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Item		Item	Amount
	<p>The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion</p> <p>Ref Clause 6.7 [CD] – Clause 26.12</p>		
29	<p>Clause 27.0 - Recovery of expense and/or loss</p> <p>F: V: T:</p> <p>Replace Clause 27.1.2 with the following:</p> <p>Interest due to late payment only</p> <p>Replace Clause 27.1.4 with the following:</p> <p>Interest due to late payment only</p> <p>27.1.5 No Clause</p> <p>Replace Clause 27.5 with the following:</p> <p>Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security</p> <p>Add the following as Clause 27.6:</p> <p>Where a provisional sequestration or provisional liquidation order has been granted or where an order has been granted which commences sequestration, liquidation, bankruptcy, receivership, winding-up or any similar effect, against the contractor or this agreement is cancelled in terms of 29, the employer may issue a demand to the guarantor in terms of the construction guarantee or advance payment guarantee held as security</p> <p><u>Suspension and termination (A28 - A29)</u></p>	Item	
30	<p>Clause 28.0 - Suspension by the contractor</p> <p>F: V: T:</p>	Item	
31	<p>Clause 29.0 - Termination</p> <p>F: V: T:</p> <p>Add the following as Clause 29.1.4:</p> <p>The contractor’s estate has been sequestered, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>Add the following as Clause 29.1.5:</p> <p>The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Add the following as Clause 29.1.6:</p> <p>Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.</p> <p>Replace Clause 29.7 with the following:</p>	Item	
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<p>The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3]</p>	
<p>Replace Clause 29.9 with the following:</p>	
<p>The employer has the right of recovery against the contractor, where applicable, [CD] from:</p>	
<p>The payment reduction until the final payment is made.</p>	
<p>29.14.1 No Clause</p>	
<p>29.14.3 No Clause</p>	
<p>29.14.4 No Clause</p>	
<p>29.14.5 No Clause</p>	
<p>29.14.6 No Clause</p>	
<p>29.14.7 No Clause</p>	
<p>29.15 No Clause</p>	
<p>29.16 No Clause</p>	
<p>29.17.3 No Clause</p>	
<p>29.17.6 No Clause</p>	
<p>29.21.5 No Clause</p>	
<p>29.22 No Clause</p>	
<p>29.23 No Clause</p>	
<p>29.25.3 No Clause</p>	
<p>29.25.4 No Clause</p>	
<p>29.27 No Clause</p>	
<p><u>Dispute resolution (A30)</u></p>	
<p>32 Clause 30.0 - Dispute resolution</p>	Item
<p>F: V: T:</p>	
<p>Replace Clause 30.2 with the following:</p>	
<p>Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation</p>	
<p>30.3 to 30.7.7 No Clauses</p>	
<p>Replace Clause 30.8 with the following:</p>	
<p>The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:</p>	
<p>30.8.1 No Clause</p>	
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Item	Amount
<p>Replace Clause 30.8.2 with the following: The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties</p> <p>Replace Clause 30.8.3 with the following: Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses</p> <p>Replace Clause 30.9 with the following: Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse</p> <p>30.10 No Clause 30.12 No Clause</p> <p><u>SECTION B: GENERAL PRELIMINARIES</u> <u>Definitions and interpretation (B1)</u></p> <p>33 Clause 1.1 - Definitions Item F: V: T:</p> <p>34 Clause 1.2 - Interpretation Item F: V: T:</p> <p><u>Documents (B2)</u></p> <p>35 Clause 2.1 - Checking of documents Item F: V: T:</p> <p>36 Clause 2.2 - Provisional bills of quantities Item F: V: T:</p> <p>37 Clause 2.3 - Availability of construction information Item F: V: T:</p> <p>38 Clause 2.4 - Ordering of materials and goods Item F: V: T:</p> <p><u>Previous work and adjoining properties (B3)</u></p> <p>39 Clause 3.1 - Previous work - dimensional accuracy Item F: V: T:</p> <p>40 Clause 3.2 - Previous work - defects Item F: V: T:</p> <p>41 Clause 3.3 - Inspection of adjoining properties Item F: V: T:</p> <p><u>The site (B4)</u></p> <p>42 Clause 4.1 - Handover of site in stages Item F: V: T:</p> <p>43 Clause 4.2 - Enclosure of the works Item F: V: T:</p> <p style="text-align: right;">TOTAL CARRIED TO SECTION SUMMARY R</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	

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44 Clause 4.3 - Geotechnical and other investigations F: V: T:	Item
45 Clause 4.4 - Encroachments F: V: T:	Item
46 Clause 4.5 - Existing premises occupied F: V: T:	Item
47 Clause 4.6 - Services - known F: V: T:	Item
<u>Management of contract (B5)</u>	
48 Clause 5.1 - Management of the works F: V: T:	Item
49 Clause 5.2 - Progress meetings F: V: T:	Item
50 Clause 5.3 - Technical meetings F: V: T:	Item
<u>Samples, shop drawings and manufacturer's instructions (B6)</u>	
51 Clause 6.1 - Samples of materials F: V: T:	Item
52 Clause 6.2 - Workmanship samples F: V: T:	Item
53 Clause 6.3 - Shop drawings F: V: T:	Item
54 Clause 6.4 - Compliance with manufacturer's instructions F: V: T:	Item
<u>Deposits and fees (B7)</u>	
55 Clause 7.1 - Deposits and fees F: V: T:	Item
<u>Temporary services (B8)</u>	
56 Clause 8.1 - Water F: V: T:	Item
57 Clause 8.2 - Electricity F: V: T:	Item
58 Clause 8.3 - Ablution and welfare facilities F: V: T:	Item
59 Clause 8.4 - Communication facilities F: V: T:	Item
<u>Prime cost amounts (B9)</u>	
60 Clause 9.1 - Responsibility for prime cost amounts F: V: T:	Item
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<u>Attendance on subcontractors (B10)</u>	
61 Clause 10.1 - General attendance	Item
F: V: T: General attendance The contractor shall at his own expense provide the following general attendance on the subcontractors: Access to the site and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the contractor The provision of water and lighting and single phase electric power to a position within 50 metres of the place where the subcontract work is to be carried out but excluding water, fuel and power for commissioning of any installation The provision of an area for the subcontractor to establish temporary office accommodation and workshops and for the storage of plant and materials The use of erected scaffolding belonging to the contractor, in common with others having the like right, while it remains erected on the site The use, at reasonable times by arrangement of the contractor's erected hoisting equipment	
62 Clause 10.2 - Special attendance	Item
F: V: T: <u>General (B11)</u>	
63 Clause 11.1 - Protection of the works	Item
F: V: T:	
64 Clause 11.2 - Protection/isolation of existing works and works occupied in sections	Item
F: V: T:	
65 Clause 11.3 - Security of the works	Item
F: V: T:	
66 Clause 11.4 - Notice before covering work	Item
F: V: T:	
67 Clause 11.5 - Disturbance 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	Item
F: V: T:	
68 Clause 11.6 - Environmental disturbance	Item
F: V: T:	
69 Clause 11.7 - Works cleaning and clearing	Item
F: V: T:	
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Item	Amount
70 Clause 11.8 - Vermin F: V: T:	Item
71 Clause 11.9 - Overhand work F: V: T:	Item
72 Clause 11.10 - Tenant installations F: V: T:	Item
73 Clause 11.11 - Advertising F: V: T:	Item
<u>B12. SCHEDULE OF VARIABLES</u>	
<u>B12.1 Pre-tender information</u>	
74 Fixed: _____ Value related: _____ Time related: _____ F: V: T:	Item
<p>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.</p> <p>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.</p>	
<u>12.1 PRE TENDER INFORMATION</u>	
<u>12.1.1 Provisional Bills of Quantities</u>	
[2.2] The quantities are provisional - Yes	
<u>12.1.2 Availability of construction documentation</u>	
[2.3] Construction of documentation is complete - No	
<u>12.1.3 Interest of agents</u>	
[2.4] Details: None	
<u>12.1.4 Defined works area</u>	
[3.1] Details: Yes.	
<u>12.1.5 Geotechnical investigation</u>	
[3.2] Details: Yes	
<u>12.1.6 Existing premises occupied</u>	
[3.4] Specific requirements: Yes.	
<u>12.1.7 Previous work - dimensional accuracy</u>	
[3.5] Details: No	
<u>12.1.8 Previous work - defects</u>	
[3.6] Details: No	
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Item	Amount
<p><u>12.1.9 Services - known</u></p>	
<p>[3.7] Details: Yes. Contractor is to inspect the site and mark up all services that are visible.</p>	
<p><u>12.1.10 Protection of trees</u></p>	
<p>[3.9] Specific requirements: No</p>	
<p><u>12.1.11 Inspection of adjoining properties</u></p>	
<p>[3.11] Specific requirements: None</p>	
<p><u>12.1.12 Enclosure of the works</u></p>	
<p>[6.2] Specific requirements: Yes. The Contractor will, throughout the entire period of the works, be responsible for the proper and adequate protection of property and the public and patients and staff from damage or injury resultant from the works and for the proper security of the site at all times during the course of the works.</p>	
<p>Further, the Contractor must allow for all temporary hoardings, fans and walkways, etc. required by the Municipality, Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993, any other legal requirement and or demanded by his own requirements. Allowance must further be made for periodic adjustment of any hoardings and for their eventual removal and for making good.</p>	
<p><u>12.1.13 Offices</u></p>	
<p>[6.4.3] Specific requirements: Yes.</p>	
<p><u>12.1.14 Main notice board</u></p>	
<p>[6.5] Specific requirements: Yes</p>	
<p><u>12.1.15 Subcontractors' notice board</u></p>	
<p>[6.6] Specific requirements: No</p>	
<p><u>12.1.16 Water</u></p>	
<p>[7.2] Option A (by contractor) YES Option B (by employer - free of charge) NO Option C (by b employer - metered) NO</p>	
<p><u>12.1.17 Electricity</u></p>	
<p>[7.3] Option A (by contractor) YES Option B (by employer - free of charge) NO Option C (by b employer - metered) NO</p>	
<p><u>12.1.18 Telecommunications</u></p>	
<p>[7.4] Telephone YES Facsimile YES E-mail YES</p>	
<p><u>12.1.19 Ablution facilities</u></p>	
<p>[7.5] Option A (by contractor) YES Option B (by employer) NO</p>	
<p><u>12.1.20 Protection of existing/sectionally occupied works</u></p>	
<p>[11.2] Protection is required - Yes</p>	
<p><u>12.1.21 Special attendance</u></p>	
<p>[9.2] Subcontractor (1) details: None Subcontractor (2) details: None Subcontractor (3) details: None Subcontractor (4) details: None</p>	
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Item	Amount
<p><u>12.1.22 Protection of works</u></p>	
<p>[11.1] Specific requirements: None</p>	
<p><u>12.1.23 Disturbance</u></p>	
<p>[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.</p>	
<p><u>12.1.24 Environmental disturbance</u></p>	
<p>[11.6] Specific requirements: None</p>	
<p><u>12.2 POST-TENDER INFORMATION</u></p>	
<p><u>12.2.1 Payment of preliminaries</u></p>	
<p>[10.2] Option A (pro-rated) YES/NO Option B (calculates) YES/NO</p>	
<p><u>12.2.2 Adjustment of preliminaries</u></p>	
<p>(10.3) Option A (three categories) YES/NO Option B (detailed breakdown) YES/NO</p>	
<p><u>12.2.3 Additional agreed preliminaries items</u></p>	
<p>Details: N/A</p>	
<p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p>	
<p><u>C1 CONTRACT DRAWINGS</u></p>	
<p>75 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. A full set of drawings is issued with the tender documents indicating the full 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.</p>	Item
<p>F: V: T:</p>	
<p><u>C2 GENERAL PREAMBLES</u></p>	
<p>76 The document “Construction Works: Specifications: General Specification (PW371-A) Edition 2.1” is obtainable on the Department’s website (http://www.publicworks.gov.za/ 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</p>	
<p>The document “Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.2” is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities / lump sum document</p>	Item
<p>F: V: T:</p>	
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Item	Amount
<u>C3 TRADE NAMES</u>	
77	
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.	Item
F: V: T:	
<u>C4 IMPORTED MATERIALS AND EQUIPMENT</u>	
78	
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 (T2.2q) 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
F: V: T:	
<u>C5 VIEWING THE SITE IN SECURITY AREAS</u>	
79	
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 N/A
F: V: T:	
<u>C6 COMMENCEMENT OF WORK IN SECURITY AREAS</u>	
80	
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 N/A
F: V: T:	
<u>C7 ENTRANCE PERMITS TO SECURITY AREAS</u>	
81	
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 N/A
F: V: T:	
<u>C8 SECURITY CHECK OF PERSONNEL</u>	
82	
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 any document or information relating to the works .	Item N/A
F: V: T:	
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Item		Amount
	<p><u>C9 PROHIBITION OF TAKING PHOTOGRAPHS</u></p> <p>83 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 authorised 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.</p> <p>F: V: T:</p> <p><u>C10 HIV/AIDS AWARENESS</u></p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW1544) 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.</p> <p>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 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.</p> <p><u>C10.1 AWARENESS CHAMPION</u></p> <p>84 Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.</p> <p>F: V: T:</p> <p><u>C10.2 AWARENESS WORKSHOPS</u></p> <p>85 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.</p> <p>F: V: T:</p> <p><u>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</u></p> <p>86 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.</p> <p>F: V: T:</p>	<p>N/A</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p>
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Item	Amount
<p><u>C10.4 ACCESS TO CONDOMS</u></p>	
<p>87 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.</p>	Item
<p>F: V: T:</p>	
<p><u>C10.5 MONITORING</u></p>	
<p>88 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</p>	Item
<p>F: V: T:</p>	
<p><u>C11 OCCUPATIONAL HEALTH AND SAFETY ACT</u></p>	
<p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities / Lump Sum document.</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. 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.</p>	
<p>The Contractors attention is drawn to C3.11 Health and Safety and Environmental Specification and C3.12 Base Line Risk Assessment included in Part C of the tender document. The Contractor shall price hereunder all other items that are likely to attract cost in compliance with the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), excluding the items included in the 'Occupational Health and Safety' in Section 7 of these Bills of Quantities.</p>	
<p><u>C12 WARRANTIES FOR MATERIALS AND WORKMANSHIP</u></p>	
<p>89 Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on the final completion of the contract.</p>	
<p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so</p>	
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Item		Amount
	<p>The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F: V: T:</p> <p><u>C13 OVERTIME</u></p>	Item
90	<p>Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>F: V: T:</p> <p><u>C14 TESTING OF FLAT ROOF WAERPROOFING FOR WATERTIGHTNESS</u></p>	Item
91	<p>Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty (40) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing.</p> <p>F: V: T:</p> <p><u>C15 SITE INSTRUCTIONS</u></p>	Item
92	<p>Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor.</p> <p>F: V: T:</p> <p><u>C16 DAYWORKS</u></p>	Item
93	<p>Where in the opinion of the quantity surveyor any extra work cannot properly be measured or valued, the contractor will be allowed daywork prices therefor calculated upon the costs defined hereunder together with the stated percentages. The total thus arrived at shall be the total amount recoverable by the contractor for performing such work.</p> <p>1. The cost to the contractor or sub-contractor of materials, being the net cost (at current market prices) actually paid for such materials after the deduction of cash discounts or if materials are supplied from the contractor's or sub-contractor's stock then the cost of such materials shall be based upon the current market price plus the cost of delivery to site; to which net cost 10 per cent thereof shall be added.</p> <p>2. The cost of labour to the contractor or sub-contractor, being all items of direct cost of labour actually remunerated to the workmen concerned which shall include the cost of all allowances in terms of the Industrial Conciliation Act (where applicable) or any other wage determination applying in the area or any other charge or expense which is normally binding as well as all statutory levies to education and training funds as may be applicable relating to the class of labour concerned at the time when and in the area where the daywork is executed: to which labour costs 75 per cent in respect of shopfitting, wall and floor tiling, mosaic work and electrical work, 60 per cent in respect of plumbing, plastering, joinery and stone masonry and 40 per cent in respect of painting and decorating, general builders work and any other trade not specified herein, shall be added.</p>	
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	<p>Hourly based rates for labour shall be the current market rates for labour based upon standard working hours and shall be applied in respect of the time spent by workers directly engaged on the particular dayworks including any operators operating mechanical plant and transport and erecting and dismantling other plant. If a claim is made that individual workmen have been paid wages and allowances in excess of the minimum legalised rates, then proof must be furnished that such workmen had been so paid prior to the commencement of the extra work referred to. Time lost due to inclement weather shall be excluded from the time charged.</p> <p>3. Other direct costs, being any related direct costs such as mechanical plant and transport, other than costs of material and labour shall be the net cost thereof to which net cost 10 per cent thereof shall be added.</p> <p>4. The rates for mechanical plant shall be commercial hire rates current at the time of executing the daywork and shall include fuel and insurance costs. Supporting vouchers reflecting the time spent and materials used each week shall be delivered for verification to the Quantity Surveyor not later than twenty one days after the end of the week concerned. Should the contractor fail to submit the vouchers within this time, the Quantity Surveyor shall determine a fair price for the work.</p> <p>F: V: T:</p> <p><u>C17 OVERLOADING</u></p>	
Item		
94	<p>The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works e.g. scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense.</p> <p>F: V: T:</p> <p><u>C18 MAKING GOOD</u></p>	
Item		
95	<p>All materials and workmanship in building up, making good, etc., are to match existing and where new materials abut existing, they are to be neatly jointed to same. 'Making good' existing work where disturbed or damaged shall mean the provision of the necessary new material to match existing and the necessary workmanship so that a complete restoration is achieved to the satisfaction of the Principal Agent. 'Making good' where abutting walls, etc., are removed, shall mean the provision of the necessary material and workmanship in filling the gaps to match surrounding finishes so that a complete and perfect surface, continuous with surrounding surfaces and matching of same, is obtained to the Principal Agent's satisfaction.</p> <p>F: V: T:</p>	
Item		
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Item		Amount
	<p><u>C19 SMME CONTRACTORS AS SUB-CONTRACTORS TO THE PRINCIPAL CONTRACTOR</u></p>	
96	<p>The tenderer must allow for all costs applicable that they may feel will be associated with the successful integration, development of and completion of SMME Sub-Contractors' work to the approval of the Principal Agent on this project. Approximately 30% of the building work needs to be allocated to SMME Sub contractors. Contractors will be required to supply verified monthly statements/schedules (verified by their auditors) indicating the % achieved for that month. A cumulative schedule also needs to be maintained for each month that has passed.</p> <p>Any additional costs that the Tenderer may deem applicable due to the use of 30% of SMME Sub-contractors, should be allowed for in this item (Preliminaries, OHS, Profit & Attendance, etc.), as no claim for any additional costs attributed to the incorporation and development of SMME Sub-contractors on this project will be entertained after the tenders are submitted.</p> <p>F: V: T:</p>	Item
	<p><u>C20 SMME MONITORING</u></p>	
97	<p>Provision for pricing for the employment, on a full time basis for the duration of the contract, SMME Monitoring. All costs associated with the completion of the SMME Monitoring duties, provision of office facilities and tools of trade are deemed to be priced hereunder. No additional claims in this regard shall be entertained. The above is in strict accordance with the Specification for the Employment of SMME Sub-Contractors and all costs should be included in this item for the employment of an SMME Mentor for monitoring.</p> <p>F: V: T:</p>	Item
	<p><u>C21 SOCIO-ECONOMIC DELIVERABLES</u></p>	
98	<p>The tenderer must allow for all costs associated with the administration, appointment, training and/or payment of the CLO, PSC, Built Environment students and interns, training of local labour, SMME's as applicable and included in this tender document (refer PROVISIONAL SUMS section). No additional claims in this regard shall be entertained.</p> <p>F: V: T:</p>	Item
	<p><u>C22 TEMPORARY ACCESS</u></p>	
99	<p>Access and Egress onto the site utilises the security access gate from Muti Road onto the SAPS precinct. The F.S.L. is located to the rear of the existing SAPS facility. Tenderers are referred to C3.4 of the Scope of Works. The contractor is to take cognisance of the scope of works for any temporary access and to allow for the works in his/her program as well as pricing for any additional items. No additional claims in this regard shall be entertained.</p> <p>F: V: T:</p>	Item
	<p><u>C23 INGRESS OF WATER</u></p>	
100	<p>It is the contractors responsibility to prevent ingress of water into the buildings whilst all work is being completed, and damage arising out of the above will be made good at the Contractors expense.</p> <p>F: V: T:</p>	Item
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SECTION SUMMARY

SECTION NO. 2
BUILDING WORKS

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<p><u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>Bill No. 1</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials:</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <p><u>Cost of tests:</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).</p> <p><u>Breeze Concrete:</u> Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated.</p> <p><u>Foamcement Lightweight Concrete:</u> Foamcement lightweight concrete is to have a density of 600kg/m3 for the top 50mm and 500kg/m3 for the remaining thickness. The minimum thickness at outlets, channels, etc. shall be 50mm.</p> <p><u>Celbeton Lightweight Concrete:</u> Celbeton lightweight concrete is to have a density of 1000kg/m3 for the top 20mm and 408kg/m3 for the remaining thickness. The minimum thickness at outlets, channels, etc. shall be 30mm.</p>				
<p>TOTAL CARRIED TO BILL SUMMARY</p>			R	
<p>Section No. 2 Bill No. 1 Concrete, Formwork And Reinforcement</p>				

Item	Unit	Quantity	Rate	Amount
<u>Formwork:</u>				
<p>Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</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.</p> <p>Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> <p>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.</p>				
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES (CPAP Work Group No 110)</u>				
<u>15MPa/19mm Concrete:</u>				
1	m ³	1		
<u>REINFORCED CONCRETE (CPAP Work Group No 110)</u>				
<u>25MPa/19mm Concrete:</u>				
2	m ³	1		
<u>TEST BLOCKS (CPAP Work Group No 110)</u>				
<u>Test blocks:</u>				
3	Sets	1		
<u>FINISHING TOP SURFACE OF CONCRETE (CPAP Work Group No 110)</u>				
<u>Finishing top surfaces of concrete smooth with a wood float:</u>				
4	m ²	8		
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Concrete, Formwork And Reinforcement				

Item	Unit	Quantity	Rate	Amount
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP Work Group No 111)</u>				
<u>Rough formwork to sides:</u>				
5	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	4	
<u>MOVEMENT JOINTS ETC. (CPAP Work Group No 111)</u>				
<u>Expansion joints with closed cell expanded polyethylene between concrete and brick surfaces:</u>				
6	10mm Joints not exceeding 300mm high to edges of surface beds.	m	8	
<u>REINFORCEMENT (CPAP Work Group No 114)</u>				
<u>High tensile steel reinforcement to structural concrete work:</u>				
7	10mm Diameter bars.	Tonnes	0.01	
<u>Fabric reinforcement:</u>				
8	Type 193 fabric reinforcement in concrete surfacebeds, slabs, etc.	m ²	8	
TOTAL CARRIED TO BILL SUMMARY				R
Section No. 2 Bill No. 1 Concrete, Formwork And Reinforcement				

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CONCRETE, FORMWORK AND REINFORCEMENT
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Section No. 2

Bill No. 1

Concrete, Formwork And Reinforcement

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>Bill No. 2</u>				
<u>WATERPROOFING</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials:</u>				
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.				
<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>DAMPPROOFING OF WALLS AND FLOORS (CPAP Work Group No 120)</u>				
<u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B):</u>				
1	m ²	2		
<u>One layer 250 micron embossed polyethylene waterproof sheeting sealed at laps with pressure sensitive tape:</u>				
2	m ²	8		
<u>JOINT SEALANTS ETC (CPAP Work Group No 120)</u>				
<u>Clear silicone sealant applied in accordance with the manufacturers instructions:</u>				
3	m	135		
<u>Polyurethane sealing compound including backing cord, bond breaker, primer, etc:</u>				
4	m	22		
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 2 Waterproofing				

Item	Unit	Quantity	Rate	Amount
5 10 x 12mm In expansion joints in floors including raking out joint filler as necessary.	m	8		
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 2 Waterproofing				

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WATERPROOFING
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Section No. 2

Bill No. 2

Waterproofing

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>Bill No. 3</u> <u>ROOF COVERINGS</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials:</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent. <u>Supplementary Preambles:</u> <u>Sheeting:</u> The roof sheeting shall be double-interlocking concealed-fix profile with transverse stiffener ribs roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified (select from: Galvanised 0.58mm thick steel Z275 or Galvanised 0.58mm thick steel Z200 complying with ISQ 550 (3T) with a Chromadek® colour coat or 0.5mm/0.53mm thick ZincAL® AZ150/AZ200 or ColorPLUS®). A certificate verifying compliance shall be issued by the manufacturer. The profile must include structural transverse stiffener ribs located in the pans / troughs for increased wind loading capabilities. The profile shall be roll-formed with four narrow flutes / Ribs with centres not exceeding 233mm and a cover width not exceeding 700mm. These will include a male and female rib with capillary action breaks. The male rib shall incorporate spurs spaced no more than 200mm apart to ensure minimum clipping areas on the side lap and stand proud of the rib for purposes of double interlocking action with adjacent sheets. When interlocked, the minimum sheet depth shall be 41mm. <u>Flashings:</u> Stop endings must be formed at apex to form a dam and the pan turned down to form drip. The roof sheeting shall be closed as necessary with purpose made flashings and shall incorporate serrated closers and poly closers where necessary. Flashing shall be fixed to roofing by means of No. 14 Top speed Hex head screws 25mm long with 26mm diameter bonded washers on roof and 19mm diameter bonded washers for side cladding.</p>				
<p>TOTAL CARRIED TO BILL SUMMARY</p>			<p>R</p>	
<p>Section No. 2 Bill No. 3 Roof Coverings</p>				

Item	Unit	Quantity	Rate	Amount
<p>Safety:</p> <p>The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.</p> <p>Installation:</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p>Handling and storage:</p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p>Inspection prior to installation:</p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <p>The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted.</p> <p>Purlins and girts are at the correct spacing and are within the specified tolerances.</p> <p>The corners of the roof are square, and the wall framework is perpendicular or as specified.</p> <p>No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework.</p> <p>All members to which roofing, and cladding are to be fixed in aesthetically sensitive areas are true and square.</p> <p>Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that direct contact with the sheeting is avoided.</p> <p>The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.</p>				
<p style="text-align: right;">TOTAL CARRIED TO BILL SUMMARY</p> <p>Section No. 2 Bill No. 3 Roof Coverings</p>			R	

Item	Unit	Quantity	Rate	Amount
<u>Protrusion through sheeted surfaces:</u>				
Protrusions such as pipes, ducts, and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs must be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting, and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.				
<u>Guarantee:</u>				
The manufacturer shall comply with ISO 9001:2015 Quality Management System.				
<u>Cleaning of roof, etc.:</u>				
All debris, swarf, etc. arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off-cuts of insulation, surplus fasteners, sealants, mandrels from pop rivets, off-cuts of sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc. shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks, or partially impedes the flow of water into the outlets, down pipes, etc.				
<u>PROFILED METAL SHEETING AND ACCESSORIES (CPAP Work Group No 124)</u>				
<u>'IBR' ISO 230 0.8mm thick Z275 spelter galvanised steel sheeting with full 'Color-Tech G4' finish on external face and standard backing coat on internal face and accessories fixed to steel purlins at 1700mm centres (purlins elsewhere measured):</u>				
1	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 15m.	m ²	8	
<u>0.8mm Thick galvanised steel sheeting with full coat approved factory applied finish flashings and accessories:</u>				
2	Headwall flashing 308mm girth, two times bent along girth.	m	4	
3	Counter flashing 166mm girth, three times bent along girth.	m	8	
4	Sidewall flashing 308mm girth, two times bent along girth.	m	4	
5	Broad flute polyclosers to suit 'IBR' profile.	m	4	
6	Eaves closer or narrow flute closer to suite profile.	m	4	
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Section No. 2 Bill No. 3 Roof Coverings				

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ROOF COVERINGS
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Section No. 2
Bill No. 3
Roof Coverings

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>Bill No. 4</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>Trade Preambles:</u>				
<u>TRADE PREAMBLES</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials:</u>				
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.				
<u>Particle board:</u>				
Particle board shall comply with the following specifications:				
a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type.				
<u>Joinery:</u>				
Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.				
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.				
<u>Fixing:</u>				
Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
<u>Decorative laminate finish:</u>				
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish.				
<u>Gumpoles:</u>				
Gum pole structural units shall be in accordance with the following SABS Specifications: SABS 457-1982: Wooden poles, droppers, guard rail posts and spacer blocks. Units with defects exceeding the maximum permissible defects as listed in table 1 of SABS 457, shall be remove from site and shall under no circumstances be used in any part of the structure. State diameters are top (thin) end diameters in all cases.				
<u>ROOFS ETC. (CPAP Work Group No 126)</u>				
<u>Sawn softwood grade 4:</u>				
1	50 x 75mm Purlins.	m	11	
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
Bill No. 4				
Carpentry And Joinery				

Item	Unit	Quantity	Rate	Amount
2	m	8		
38 x 114mm Rafter in lengths not exceeding 2,4m.				
<u>ROOFS SUNDRIES (CPAP Work Group No 126)</u>				
<u>Sundries:</u>				
3	No	4		
Shaped end to 38 x 114mm sawn timber.				
4	No	4		
90 degree Galvanised mild steel 76mm wide truss hanger fixed to brick wall.				
<u>SKIRTINGS (CPAP Work Group No 126)</u>				
<u>Wrought meranti:</u>				
5	m	26		
19 x 75mm Skirtings including 19mm hardwood quadrant bead, plugged.				
<u>FRAMED DOORS, ETC (CPAP Work Group No 126)</u>				
<u>Wrought softwood doors:</u>				
6	No	2		
44mm Framed, ledge and batten door 821 x 2065mm high of 100 x 44 top rail, stiles, middle ledge and braces, 150 x 44mm bottom ledge fill with 22mm V-jointed board faced with tempered smooth hardwood.				
<u>SOLID CORE FLUSH DOORS (CPAP Work Group No 126)</u>				
<u>Solid flush doors with 10mm hardwood edges and minimum 25mm hardwood rebated meeting styles faced with tempered smooth hardwood:</u>				
7	No	6		
44mm Door 821 x 2075mm high. (DC,DD&DE)				
8	No	1		
Extra over for 300 x 300 opening for aluminium louvre unit (elsewhere).				
<u>POLYURETHANE (POLYISOCYANURATE) DOORS</u>				
<u>Purpose made polyisocyanurate doors:</u>				
9	No	2		
900 x 2075mm comprising of 50mm Isowall polyisocyanurate core panel, white prepainted chromadek outer skin on both sides and 20 x 20 x 1,2mm stainless steel angle trim at exposed edges complete as per DB on MDA Architects Drawing No. MDA 447(A6)-202 attached to these Bills of Quantities.				
10	No	1		
1610 x 2075mm comprising of 50mm Isowall polyisocyanurate core panel, white prepainted chromadek outer skin on both sides and 20 x 20 x 1,2mm stainless steel angle trim at exposed edges complete as per DA on MDA Architects Drawing No. MDA 447(A6)-202 attached to these Bills of Quantities.				
TOTAL CARRIED TO BILL SUMMARY			R	
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Bill No. 4				
Carpentry And Joinery				

Item	Unit	Quantity	Rate	Amount
11 2826 x 2510mm comprising of 50mm Isowall polyisocyanurate core panel, white prepainted chromadek outer skin on both sides and 20 x 20 x 1,2mm stainless steel angle trim at exposed edges complete as per DI on MDA Architects Drawing No. MDA 447(A6)-202 attached to these Bills of Quantities.	No	1		
12 Extra over for 300 x 300 opening for aluminium louvre unit (elsewhere).	No	4		
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 4 Carpentry And Joinery				

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CARPENTRY AND JOINERY
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Section No. 2
Bill No. 4
Carpentry And Joinery

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>Bill No. 5</u> <u>CEILING PARTITIONS AND ACCESS FLOORING</u></p> <p><u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials:</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <p><u>Proprietary suspended ceilings:</u> Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations.</p> <p>Electrical light fittings, diffusers, panels etc are generally "lay-in" units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof).</p> <p><u>Flush plastered gypsum plasterboard suspended ceilings.</u> Ceilings shall comprise 9mm gypsum plasterboard boards screwed to and including screw-up suspension grid consisting of main tees at 1 200mm centres and galvanised steel capped cross tees at 400mm centres and with tape fixed over joints and the whole finished with gypsum plaster trowelled to a smooth polished surface.</p> <p>The grid shall be suspended by means of galvanised steel L-section hangers at suitable centres, securely shot-pinned or screwed to concrete, steel or wood.</p> <p><u>Descriptions:</u> Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.</p> <p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.</p>				
<p>TOTAL CARRIED TO BILL SUMMARY</p>			<p>R</p>	
<p>Section No. 2 Bill No. 5 Ceilings Partitions And Access Flooring</p>				

Item	Unit	Quantity	Rate	Amount
<u>DECORATIVE MOULDINGS AND CORNICE (CPAP Work Group No 126)</u>				
<u>Gypsum plasterboard cornices:</u>				
1	m	15		
<u>CEILING TIMBERS, BEADS, INSULATION, ETC (CPAP Work Group No 126)</u>				
<u>Approved insulation with density of 14kg/m3 and non-combustible fire rating supplied in standard-sized batts:</u>				
2	m ²	14		
<u>NAILED-UP CEILINGS (CPAP Work Group No 126)</u>				
<u>9mm Gypsum plasterboard ceiling with Rhino tape double taped over joints and skimmed with a coat of 'Rhinolite' in strict accordance with the manufacturer's instructions:</u>				
3	m ²	14		
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 5 Ceilings Partitions And Access Flooring				

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CEILINGS PARTITIONS AND ACCESS FLOORING
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Bill No. 5

Ceilings Partitions And Access Flooring

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p>				
<p><u>BUILDING WORKS</u></p>				
<p><u>Bill No. 6</u></p>				
<p><u>FLOOR COVERINGS</u></p>				
<p><u>TRADE PREAMBLES</u></p>				
<p><u>Trade Preambles:</u></p>				
<p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.</p>				
<p><u>SUPPLEMENTARY PREAMBLES</u></p>				
<p><u>Proprietary items or materials:</u></p>				
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p>				
<p><u>FLOOR COVERINGS (CPAP Work Group No 130)</u></p>				
<p><u>500 x 500 x 3,0mm Thick Noppe Interlocking Stud rubber tiles fixed with an appropriate adhesive in accordance with SANS 10070 installed in strict accordance with the manufacturer's instructions:</u></p>				
1	On floors.	m ²	25	
<p>TOTAL CARRIED TO SECTION SUMMARY</p>			R	
<p>Section No. 2 Bill No. 6 Floor Coverings</p>				

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>Bill No. 7</u>				
<u>IRONMONGERY</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials:</u>				
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.				
<u>Finishes to ironmongery:</u>				
Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered : CH Chromium plated : SC Satin chromium plated : SE Silver enamelled : GE Grey enamelled : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated.				
<u>HINGES, FLOOR SPRINGS, BOLTS, PANIC BOLTS, ETC (CPAP Work Group No 132)</u>				
<u>Hinges:</u>				
1	'Dormakaba DBB-SS-009' or equal approved 102 x 75 x 3mm stainless steel two ball bearing butt hinges fire rated with stainless steel fixing screws.	Pairs	7.50	
<u>CATCHES, CABIN HOOKS, ETC (CPAP Work Group No 132)</u>				
<u>Cabin hooks:</u>				
2	'Halstead 166' or equal approved 200mm SC on brass cabin hook and eye with 100 x 100 x 75mm chamfered wrought meranti block.	No	2	
<u>EN-SUITE LOCKS (CPAP Work Group No 132)</u>				
<u>Locks:</u>				
3	'Dormakaba D036S-SS' or equal approved stainless steel euro profile cylinder sash lock fixed to timber.	No	6	
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 7 Ironmongery				

Item	Unit	Quantity	Rate	Amount
4 'Dormakaba D037D SS' or equal approved stainless steel deadlock cylinder fixed to timber.	No	1		
5 'Dormakaba DSL 401' or equal approved stainless steel sliding door lock.	No	7		
<u>Cylinders:</u>				
6 'Dormakaba DDC056501 KD' 65mm five pin satin nickel euro-profile double cylinder key to differ.	No	14		
<u>HANDLES, FLUSH PULLS, ETC (CPAP Work Group No 132)</u>				
<u>Handles:</u>				
7 'Dormakaba DFP-SS-025' or equal approved 120 x 40mm stainless steel rectangular flush pull handle.	No	14		
8 'Dormakaba TH120 Cyl S.S' or equal approved stainless steel lever handle on rose cylinder escutcheons.	Sets	2		
9 'Dormakaba TH120 BP Cyl S.S' or equal approved stainless steel lever handle fixed on 170 x 170mm stainless steel plate with cylinder cutout.	Sets	4		
10 'Dormakaba DHP-430-BL-SF 150 x 300' or equal approved 430 brushed stainless steel DPH301C pull handle on 150 x 300 x 1.2mm Thick grade 430 brushed stainless steel plate with 6 countersunk holes for screw fixing.	No	2		
11 'Dormakaba DHP-304-CR-SF 150 x 300' or equal approved stainless steel DPH301C pull handle on 150 x 300 x 1.2mm Thick grade 304 brushed stainless steel plate with 6 countersunk holes for screw fixing.	No	1		
12 'Dormakaba DHP-304-CL-SF 150 x 300' or equal approved 304 brushed stainless steel DPH301C pull handle on 150 x 300 x 1.2mm Thick grade 304 brushed stainless steel plate with cylinder cutout left and 6 countersunk holes for screw fixing.	No	1		
<u>DOOR FURNITURE, ESCUTCHEONS, ETC (CPAP Work Group No 132)</u>				
<u>Escutcheons:</u>				
13 'Dormakaba DCE-002' or equal approved stainless steel round cylinder escutcheon.	Pairs	7		
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
Bill No. 7				
Ironmongery				

Item	Unit	Quantity	Rate	Amount
<u>PUSH PLATES AND KICKING PLATES (CPAP Work Group No 132)</u>				
<u>Plates:</u>				
14 'Dormakaba DKP-304-SF 1000' or equal approved 900 x 900 x 1.2mm Thick grade 304 brushed stainless steel kick plate with 26 countersunk holes fixed to door.	No	18		
15 'Dormakaba DKP-304-SF 1000' or equal approved 1610 x 1000 x 1.2mm Thick grade 304 brushed stainless steel kick plate with 26 countersunk holes fixed to door.	No	4		
16 'Dormakaba DKP-304-SF 1000' or equal approved 2826 x 1000 x 1.2mm Thick grade 304 brushed stainless steel kick plate with 26 countersunk holes fixed to door.	No	2		
<u>DOOR CLOSERS (CPAP Work Group No 132)</u>				
<u>Door closers:</u>				
17 Dormakaba TS91B - SL' or equal approved silver non hold open cam action slide channel door closer with closing force EN 3 hydraulic speed control, pull-side fixing, door closer compliant with EN 1154, door closer is CERTI FIRE approved (Certificate No. CF 119) for door type ITT 120, MM/IMM 24. Certified manufacturer to ISO 9001.	No	1		
18 Dormakaba TS91B HO - SL' or equal approved silver mechanical hold open cam action slide channel door closer with closing force EN 3 hydraulic speed control, pull-side fixing, door closer compliant with EN 1154, door closer is CERTI FIRE approved (Certificate No. CF 119) for door type ITT 120, MM/IMM 24. Certified manufacturer to ISO 9001.	No	1		
<u>SLIDING GEAR (CPAP Work Group No 132)</u>				
<u>Track:</u>				
19 'Drakensberg' or equal approved track 2000mm complete with bracket side fix, top plate concealed fix, door stop, woolpile and guide floor roller.	No	2		
20 'Drakensberg' or equal approved track 3500mm complete with bracket side fix, top plate concealed fix, door stop, woolpile and guide floor roller.	No	1		
21 'Drakensberg' track 6000mm complete with bracket side fix, top plate concealed fix, door stop, woolpile and guide floor roller.	No	1		
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 7 Ironmongery				

Item	Unit	Quantity	Rate	Amount
<u>LETTERS, NAMEPLATES, ETC (CPAP Work Group No 132)</u>				
<u>Nameplates:</u>				
22	No	1		
'Dormakaba DSS-130 M' or equal approved 150 x150mm solid stainless steel plate male person pictogram.				
<u>SUNDRIES (CPAP Work Group No 130)</u>				
<u>Door stops:</u>				
23	No	6		
'Dormakaba DDS 017' or equal approved stainless steel floor mounted door stop.				
<u>BATHROOM FITTINGS (CPAP Work Group No 132)</u>				
<u>Bathroom fittings:</u>				
24	No	4		
'Franke' RADON RODX600 or equal approved stainless steel wall mounted paper towel dispenser, size 275 x 112 x 355mm high overall (code: 2630134/2630136).				
25	No	4		
'Franke' RODAN RODX605 or equal approved stainless steel wall mounted waste bin , size 355 x 168 x 301mm high overall (code : 2120097).				
26	No	4		
'Franke' RODAN RODX625 or equal approved stainless steel electronic sensor soap dispenser, size 355 x 168 x 301mm high overall (code : 2120107).				
<u>SHELVES, ETC (CPAP Work Group No 132)</u>				
<u>1,2mm Thick grade 304 stainless steel solid shelves:</u>				
27	No	12		
Franke Z-Series' or equal approved 1 000mm long double slotted wall band. (code: 2620125)				
28	No	16		
Franke Z-Series' or equal approved 900 x 300mm solid stainless steel adjustable shelving, complete with 25mm apron and 30mm upstand with intergrated bracket. (code: 2620036)				
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC. (CPAP Work Group No 132)</u>				
<u>Approved white boards:</u>				
29	No	4		
900 x 600mm High magnetic white board with natural anodised aluminium frame, plugged and screwed to brickwork, with concealed mounting in the corners, in strict accordance with the manufacturers instructions (code: 76135100).				
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Section No. 2				
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Ironmongery				

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Bill No. 7
Ironmongery

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>Bill No. 8</u>				
<u>STRUCTURAL STEELWORK</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials:</u>				
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.				
<u>Note:</u>				
Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item.				
<u>Descriptions:</u>				
Descriptions of bolts shall be deemed to include nuts and washers.				
Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete.				
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.				
<u>GALVANISED WELDED STEEL COLUMNS AND BEAMS (CPAP Work Group No 134)</u>				
<u>Welded beams in single lengths with flat section bearer and connection plates and L-section cleats, bolted to steel:</u>				
1	150 x 75 x 20 x 2mm Thick cold-formed lipped channel beams.	Tonnes	0.02	
<u>GALVANISED BOLTS, FASTENERS, ETC (CPAP Work Group No 134)</u>				
<u>Bolts:</u>				
2	High tensile bolts (class 8.8).	Tonnes	0.01	
TOTAL CARRIED TO SECTION SUMMARY			R	
Section No. 2				
Bill No. 8				
Structural Steelwork				

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>Bill No. 9</u> <u>METALWORK</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials:</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent. <u>Descriptions:</u> Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete. Metalwork described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described. <u>Aluminium doors and windows:</u> Doors and windows shall comply with AAAMSA design criteria. Glazing shall comply with SAGGA regulations. Glass shall be of the type of glass as shown on the window and door schedules and drawings appended to these Bills of Quantities and as described in the Bills of Quantities. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings. Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed. For purpose made windows and doors, refer to drawings annexed to these Bills of Quantities.</p>				
<p>TOTAL CARRIED TO BILL SUMMARY</p> <p>Section No. 2 Bill No. 9 Metalwork</p>			R	

Item	Unit	Quantity	Rate	Amount
<p>The following certificates shall be provided prior to commencement of site work: 1. A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product. 2. A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively 3. A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process. 4. A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked. 5. A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years.</p>				
<p><u>GALVANISED STEEL GATES, SCREENS, ETC (CPAP Work Group No 136)</u></p>				
<p><u>Galvanised mild steel screens and gates to brickwork:</u></p>				
<p>1 Security screen size 800 x 1335mm high overall comprising of 25 x 25 x 2mm hollow section frame filled in with 75 x 12.7mm clear view mesh welded to back of frame including 100 x 25 x 10mm fixing plate fixed to brickwall with chemical anchors all installed complete as per Type A on MDA Architect drawing No. MDA447(A6)-202 attached to these Bills of Quantities.</p>	No	68		
<p>2 Security screen size 800 x 1930mm high overall comprising of 25 x 25 x 2mm hollow section frame filled in with 75 x 12.7mm clear view mesh welded to back of frame including 100 x 25 x 10mm fixing plate fixed to brickwall with chemical anchors all installed complete as per Type B on MDA Architect drawing No. MDA447(A6)-202 attached to these Bills of Quantities.</p>	No	29		
<p>3 Security screen size 1750 x 1930mm high overall comprising of 25 x 25 x 2mm hollow section frame filled in with 75 x 12.7mm clear view mesh welded to back of frame including 100 x 25 x 10mm fixing plate fixed to brickwall with chemical anchors all installed complete as per Type B on MDA Architect drawing No. MDA447(A6)-202 attached to these Bills of Quantities.</p>	No	6		
<p>TOTAL CARRIED TO BILL SUMMARY</p>			R	
<p>Section No. 2 Bill No. 9 Metalwork</p>				

Item	Unit	Quantity	Rate	Amount
4				
Single gate size 1052 x 2560mm high overall comprising of 76 x 50mm hollow section frame and one horizontal rail, filled in with 76 x 12.7mm heavy security mesh welded to frame complete with including one heavy duty sliding bolt for padlock, one steel heavy duty drop bolts, three heavy duty steel hinges and flush pull handle all installed complete as per G01 drawing attached to these Bills of Quantities.	No	1		
<u>Galvanised security screens between roof timbers above ceilings:</u>				
5				
Weldmesh 193 with 4 x 200 x 200mm aperture welded to 50 x 50 x 2.5mm mild steel angel fixed at top side of timber rafter with 8mm diameter rod, nut and bolts.	m ²	14		
<u>STAINLESS STEEL MINOR WORK (CPAP Work Group No 136)</u>				
<u>Corner protectors:</u>				
6				
75 x 75 x 2mm Thick angle section corner protectors to vertical corners, plugged on both sides.	m	5		
<u>Door accessories:</u>				
7				
1,2mm Thick 144mm long two time bent along girth grade 304 stainless steel door stile edge protector plate fixed to timber doors with countersunk stainless screws at 200mm centres.	m	67		
<u>The following in grade 403 stainless steel wall mounted bump rail refer to 'Detail 01' on Drawing No. MDA 477(A6)-203 attached to these Bills of Quantities:</u>				
8				
75mm External diameter x 2mm thick continuous pipe rails.	m	100		
9				
Extra over for rounded closed end.	No	37		
10				
Bracket of 50 x 5mm thick flat bar 75mm girth, once bent to 37,5mm internal radius and with one end welded to rail and other end with 75mm diameter x 5mm thick plate twice holed for bolts (elsewhere) and welded on.	No	33		
11				
12mm Expansion bolt.	No	66		
<u>The following in grade 403 stainless steel wall mounted bump rail refer to 'Detail 01A' on Drawing No. MDA 477(A6)-203 attached to these Bills of Quantities:</u>				
12				
75mm External diameter x 2mm thick continuous pipe rails.	m	11		
13				
Extra over for rounded closed end.	No	2		
TOTAL CARRIED TO BILL SUMMARY				
Section No. 2				
Bill No. 9				
Metalwork				
			R	

Item	Unit	Quantity	Rate	Amount
14	Bracket of 50 x 5mm thick flat bar 260mm girth, once bent to 37,5mm internal radius and with one end welded to rail and other end with 150mm diameter x 5mm thick plate twice holed for bolts (elsewhere) and welded on.	No	4	
15	12mm Expansion bolt.	No	8	
<u>The following in grade 403 stainless steel floor mounted bump rail refer to 'Detail 02' and 'Detail 02A' on Drawing No. MDA 477(A6)-203 attached to these Bills of Quantities:</u>				
16	75mm External diameter x 2mm thick continuous pipe rails.	m	144	
17	Extra over for rounded closed end.	No	48	
18	Bracket of 50 x 5mm thick flat bar 75mm girth, once bent to 37,5mm internal radius and with one end welded to rail and other end with 75mm diameter x 5mm thick plate twice holed for bolts (elsewhere) and welded on.	No	48	
19	Bracket of 50 x 5mm thick flat bar 185mm girth, once bent to 37,5mm internal radius and with one end welded to rail and other end with 75mm diameter x 5mm thick plate twice holed for bolts (elsewhere) and welded on.	No	48	
20	12mm Expansion bolt.	No	192	
<u>PRESSED STAINLESS STEEL DOOR FRAMES (CPAP Work Group No 136)</u>				
<u>2mm Thick single-rebated frame manufactured from grade 403 stainless steel laser cut to form required profile, complete with mitred corners, fixing lugs welded on each stile and to be secured to wall in every fourth course suitable for one brick walls:</u>				
21	Frame door 821 x 2075mm high including 50 x 6mm flat bracing welded to door frame base.	No	5	
<u>2mm Thick non-rebated frame manufactured from grade 403 stainless steel laser cut to form required profile, complete with mitred corners, fixing lugs welded on each stile and to be secured to wall in every fourth course suitable for one brick walls as detailed on Architects drawings No MDA447 (A6) - 202 attached to these bills of quantities:</u>				
22	Frame for door 900 x 2075mm high including 50 x 6mm flat bracing welded to door frame base.	No	2	
23	Frame for door 1610 x 2075mm high including 50 x 6mm flat bracing welded to door frame base.	No	2	
TOTAL CARRIED TO BILL SUMMARY				
Section No. 2				
Bill No. 9				
Metalwork				
			R	

Item	Unit	Quantity	Rate	Amount
24 Frame for door 2826 x 2510mm high including 50 x 6mm flat bracing welded to door frame base.	No	1		
<u>ALUMINIUM WINDOWS CPAP WORK GROUP NO. 140)</u>				
<u>Natural anodised aluminium windows, glazed with 6.38mm laminated NS pacific obscure safety glass, complete with subframes, ironmongery, glass, glazing beads, etc and plugged to brickwork or concrete:</u>				
25 Purpose made aluminium window size 650mm x 945mm high with one top hung opening section and one fixed panel. Installed complete as per WA on MDA Architect Drawing No. MDA477 (A6)-202 attached to these Bills of Quantities.	No	45		
<u>ALUMINIUM DOORS CPAP WORK GROUP NO. 140)</u>				
<u>Natural anodised aluminium doors, sidelights and fanlights glazed with 6.38mm clear HI laminated safety glass complete with subframes, ironmongery, glass, sealing, weather-bar to bottom edge of door, etc, and plugged to brickwork or concrete manufactured and installed in strict accordance with the manufacturers instructions:</u>				
26 Purpose made rebated double door overall size 1800 x 2125mm high, comprising of four times glazed panel rebated double door in equal leaves with 125mm wide top rail, 75mm side rails, one 100mm wide transom and bottom rail complete with sets 'Dormakaba' (BTS75 DAA-HO) stainless steel adjustable size EN 1-4 hold open floor spring with double action accessories certified to EN1154, 2No 'Alufab'(M1519N) 150 mm natural anodized aluminium flush bolts, 1No Cisa roller catch & deadbolt with double cylinder, 2 pairs 'Dormakaba' (DPH206BTB) 400 x 300mm SS offset pull handle all installed complete as per DG on MDA Architects Drawing No. MDA 447(A6)-202 attached to these Bills of Quantities (ironmongery elsewhere).	No	1		
<u>ALUMINIUM LOUVRE UNITS (CPAP Work Group 140)</u>				
<u>Natural anodised aluminium louvre units fixed to Isowall polyisocyanurate cor panel doors:</u>				
27 Purpose made louvre unit size 300 x 300mm high six times holed and fitted to door with six 30mm counter sunk stainless steel screws.	No	4		
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 9 Metalwork				

Item	Unit	Quantity	Rate	Amount
<p><u>Natural anodised aluminium louvre units fixed to timber doors:</u></p>				
<p>28 Purpose made louvre unit size 300 x 300mm high six times holed and fitted to door with six 30mm counter sunk stainless steel screws.</p>	No	1		
<p><u>STEEL ROLLER SHUTTERS ETC</u></p>				
<p><u>Galvanized heavy duty roller shutter doors, complete with guides, canopy cover, etc fixed to brickwork or concrete:</u></p>				
<p>29 'Serranda' or equal approved solid slatted chain operated roller shutter for 3000 x 2560mm high opening with 75 x 0.6mm light extruded solid front interlocking slates, slide bolts, fitted for padlock, galvanised housing and side rails bolted to brickwall as per DH on Drawing No MDA 447(A6)-202 attached to these Bills of Quantities.</p>	No	1		
<p>TOTAL CARRIED TO BILL SUMMARY</p>			R	
<p>Section No. 2 Bill No. 9 Metalwork</p>				

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METALWORK
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Section No. 2

Bill No. 9

Metalwork

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>Bill No. 10</u>				
<u>PLASTERING</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials:</u>				
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.				
<u>SCREEDS (CPAP Work Group No 142)</u>				
<u>Screeds steel floated on concrete:</u>				
1	m ²	32		
2	m ²	518		
<u>'Tal Screedmaster' or equal approved self-levelling screeds on concrete floors applied in strict accordance with the manufacturer's instructions:</u>				
3	m ²	87		
<u>Diamond grind surface , sweep clean and apply Polyscreed RT including blind scatter, lockcoat and 2 coats Solidkote UVC all in strict accordance with the manufactures instructions.</u>				
4	m ²	518		
5	m	280		
TOTAL CARRIED TO SECTION SUMMARY			R	
Section No. 2 Bill No. 10 Plastering				

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>BUILDING WORKS</u> <u>Bill No. 11</u> <u>PLUMBING AND DRAINAGE</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials:</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent. <u>'Polycop' polypropylene pipes:</u> Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with 'Fast-fuse' heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated. Pipes shall be firmly fixed to walls etc. with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions. All pipe diameters are nominal external. <u>'Polylink' polypropylene pipes:</u> Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron 'SupraClamp' running joints. Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured. Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double X joint couplers. Branch tees shall include flanged and bolted joints to 'Polycop' branch pipes in addition and for brass compression male iron to copper straight couplers. Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reduces shall be of sufficient overall length to accommodate same. All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions. All pipe diameters are nominal external.</p>				
<p>TOTAL CARRIED TO BILL SUMMARY</p>			<p>R</p>	
<p>Section No. 2 Bill No. 11 Plumbing And Drainage</p>				

Item	Unit	Quantity	Rate	Amount
<p><u>Concrete pipes:</u> Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings.</p> <p><u>Vitrified clay pipes etc.:</u> Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid.</p> <p><u>uPVC pipes and fittings.</u> Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be solvent weld jointed.</p> <p><u>uPVC pressure pipes and fittings:</u> Pipes for water supply shall be of the class stated. Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings. Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints.</p> <p><u>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.</p> <p><u>Fixing of pipes</u> Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls etc. casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Lead pipes and traps:</u> All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel.</p>				
<p style="text-align: right;">TOTAL CARRIED TO BILL SUMMARY</p> <p>Section No. 2 Bill No. 11 Plumbing And Drainage</p>			R	

Item	Unit	Quantity	Rate	Amount
<p><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.</p> <p><u>Wire gratings:</u> Descriptions of gutter outlets etc. shall be deemed to include wire balloon gratings.</p> <p><u>Septic tanks:</u> Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc. all in accordance with the manufacturer's instructions.</p> <p><u>Exposed concrete surfaces:</u> Exposed surfaces of concrete storm water channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc. shall be finished smooth with plaster.</p> <p><u>Excavations:</u> No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling. 'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.</p> <p><u>Laying, backfilling, bedding, etc. of pipes</u> Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions. Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Storm water drainage Pipe trenches etc. shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SAB.</p> <p><u>Flush pans:</u> Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc.:</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.</p>				
<p>TOTAL CARRIED TO BILL SUMMARY</p>			R	
<p>Section No. 2 Bill No. 11 Plumbing And Drainage</p>				

Item	Unit	Quantity	Rate	Amount
<p><u>Waste unions:</u></p>				
<p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.</p>				
<p><u>Steel sectional water tanks:</u></p>				
<p>Tanks shall comply with SABS CKS 114.</p>				
<p><u>'Densyl' petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd:</u></p>				
<p>Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described.</p>				
<p>Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, 'Layflat' sheeting, securing of same, etc.</p>				
<p>Prices for wrapping of pipes shall include for all work as described to couplings in the length.</p>				
<p><u>General:</u></p>				
<p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc. are given separately).</p>				
<p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends.</p>				
<p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc. shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 95% Mod AASHTO density and disposal of surplus material on site.</p>				
<p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc. and to steel pipes (adaptors for connections to copper pipes, etc. are given separately).</p>				
<p>Descriptions of WC pans, slop hoppers, etc. shall be deemed to include for joints to soil pipes (pan connectors are separately measured).</p>				
<p><u>SANITARY FITTINGS (CPAP WORK GROUP NO. 148)</u></p>				
<p><u>1.6mm Thick grade 304 (18/10)' stainless steel wash hand basins:</u></p>				
<p>1 SMS surgeons scrub-up wall mounted wash hand basin size 665 x 554 x 258mm complete with integral 300mm high splash back with tap holes, pressed bowl size 525 x 425 x 258mm with 90mm waste outlet for basket strainer fixed to wall with removeable galvanized mild steel fixing plate (code: 2630049).</p>	No	4		
<p>TOTAL CARRIED TO BILL SUMMARY</p>			R	
<p>Section No. 2</p>				
<p>Bill No. 11</p>				
<p>Plumbing And Drainage</p>				

Item	Unit	Quantity	Rate	Amount
<u>1.2mm Thick grade 304 (18/10) stainless steel slop hopper:</u>				
2	No	4		
Slop hopper size 540 x 540mm integrated with 100mm high splash back to rear and sides, integral with flush rim and 110mm waste union outlet complete with 40 x 40mm square stainless steel wall mounting gallows brackets fixed to walls with 4 anchor bolts (code 2630035-004).				
<u>WASTE UNIONS ETC (CPAP WORK GROUP NO. 148)</u>				
<u>'Cobra' or equal approved waste unions etc:</u>				
3	No	4		
86mm Chrome unslotted waste (code : 311/N).				
<u>TRAPS, ETC (CPAP Work Group No 148)</u>				
<u>'Cobra' or equal approved traps, etc:</u>				
4	No	4		
Chrome universal bottle trap (code : 340/N).				
<u>'Rofo Engineering RO 200V' or equal approved floor drain, etc:</u>				
5	No	21		
100mm Diameter Heavy duty stainless steel floor drain with round top flange including connections to 110mm PVC pipe in concrete floor.				
<u>TAPS, VALVES, ETC. (CPAP Work Group No 148)</u>				
<u>'Cobra' or equal approved bibtap:</u>				
6	No	4		
3/4" Chrome plated wall mounted star hose bibtap with hose union and GRP tail (code : FBBHN1SR-0GT01).				
<u>'Cobra' or equal approved medical elbow action tap:</u>				
7	No	8		
Chrome heavy pattern medical elbow-action basin mixer with 15mm swivel spout (code : 515/055-21/HP).				
<u>'Walcro' or equal approved flush valve:</u>				
8	No	4		
38mm Chrome plated flush valve for slop hopper.				
<u>SANITARY PLUMBING (CPAP Work Group No 148)</u>				
<u>uPVC pipes:</u>				
9	m	8		
50mm Pipes:				
10	m	12		
50mm Pipes chased to brick walls.				
11	m	75		
110mm Pipes chased to floors.				
<u>Extra over PVC pipes for fittings:</u>				
12	No	8		
50mm Bend.				
13	No	27		
110mm Bend.				
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
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Plumbing And Drainage				

Item	Unit	Quantity	Rate	Amount
14	No	16		
15	No	8		
16	No	8		
<u>Sundries:</u>				
17	Item			
<u>WATER SUPPLIES (CPAP Work Group No 148)</u>				
<u>Class II copper pipes:</u>				
18	m	32		
19	m	13		
20	m	16		
21	m	8		
<u>Extra over class II copper pipes for capillary fittings:</u>				
22	No	32		
23	No	32		
<u>Extra over class II copper pipes for brass compression fittings:</u>				
24	No	32		
25	No	32		
<u>Copper overflow and service pipes:</u>				
26	No	8		
<u>Testing:</u>				
27	Item			
<u>SOLAR WATER HEATERS (CPAP Work Group No 148)</u>				
<u>Solar water heaters:</u>				
28	No	1		
<u>LAGGING (CPAP Work Group No 148)</u>				
<u>Paper lagging:</u>				
29	m	24		
TOTAL CARRIED TO BILL SUMMARY			R	
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Bill No. 11				
Plumbing And Drainage				

Item	Unit	Quantity	Rate	Amount
30 Two layers of stout brown paper tightly wrapped around 22mm pipe and couplings and tied with wire prior to building in.	m	12		
31 Extra for wrapping around fittings.	No	32		
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 11 Plumbing And Drainage				

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Section No. 2
Bill No. 11
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Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>Bill No. 12</u>				
<u>HVAC INSTALLATION</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.				
<u>HVAC INSTALLATION (CPAP Work Group No 170)</u>				
<u>Mechanical installation:</u>				
Tenderers are to note that the amount included in the amount column for this section of the Bills of Quantities, should be the total of all the priced items in the HVAC Installation Bills of Quantities as attached hereafter.				
1	Item	Total transferred from HVAC Installation Final Summary page. (excluding VAT)		
2	Item	Profit on above.		
3	Item	Attendance on above.		
TOTAL CARRIED TO SECTION SUMMARY			R	
Section No. 2 Bill No. 12 Hvac Installation				

SAKHIWO FACILITY MAINTENANCE CONSORTIUM

**AIR CONDITIONING AND VENTILATION INSTALLATION
NEW BRIGHTON FORENSIC PATHOLOGY LABORATORY - GQEERHA**

JANUARY 2024

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SECTION 1: GENERAL SPECIFICATION FOR AIR CONDITIONING INSTALLATION WORK

1 TESTS

After completion of the works and before first delivery is taken, a full test will be carried out on the installation for a period of sufficient duration to determine the satisfactory working thereof. During this period the installations will be inspected and the Contractor shall make good, to the satisfaction of the Representative / Agent, any defects which may arise.

The Contractor shall provide all instruments and equipment required for testing and any water, power and fuel required for the commissioning and testing of the installations at completion.

2 MAINTENANCE OF INSTALLATIONS

With effect from the date of the First Delivery Certificate the Contractor shall at his own expense undertake the regular servicing of the installation during the maintenance period and shall make all adjustments necessary for the correct operation thereof.

The maintenance period shall be twelve (12) months from the date of the First Delivery Certificate.

If during the said period the installation is not in working order for any reason for which the Contractor is responsible, or if the installations develop defects, he shall immediately upon being notified thereof take steps to remedy the defects and make any necessary adjustments.

Should such stoppages however be so frequent as to become troublesome, or should the installations otherwise prove unsatisfactory during the said period the Contractor shall, if called upon by the Representative / Agent or the Director-General, at his own expense replace the whole of the installations or such parts thereof as the Representative/Agent or the Director-General may deem necessary with apparatus specified by the Representative / Agent or the Director-General.

3 REGULATIONS

The installation shall be erected and tested in accordance with the latest issued and amendments of the following Acts and regulations:

- SANS 1125 : Room air conditioning and heat pumps
- SANS 1238 : Duct work
- SANS 1287-1&2 : Ventilation practices and ducting
- SANS 1424 : Filters
- SANS 10147 : Refrigeration Systems
- SANS 10173:2003 : Installation, testing and balancing Air Conditioning ductwork
- The Occupational Health and Safety Act, 1993 (Act 85 of 1993),
- SANS 10400 : The National Building Regulations
- SANS 10142 Parts 1 & 2 : Code of Practice for the Wiring of Premises
- Local Government Ordinance 1998 (Act 10 of 1998 (Gauteng), municipal by-laws and any special requirements of the local supply authority,
- The Fire Brigade Services Act 2000 (Act 14 of 2000),

- The Electricity Act 1996 (Act 88 of 1996) and
- The Regulations of the local Gas Board where applicable.

4 GENERAL

All workmanship and materials used in the installation shall be of the highest quality. The air conditioning and ventilation shall be responsible for making good after installation.

All plant associated with the installation shall comply with the Code of Practice for "Refrigeration systems including plants associated with air-conditioning" SANS – 1992, as amended.

5 MATERIALS, SAMPLES AND SHOP DRAWING

- 5.1 The drawings provided with this tender document are general arrangement drawings only. The successful Tenderer shall check all design criteria and submit shop drawings (including builder' for approval which take into consideration available spaces, builders work requirements, access for maintenance purposes etc.
- 5.2 The requirements for proof of compliance with materials specifications, samples and shop drawings are:
- Material specifications
 - Shop drawings
- 5.3 The contractor shall, on certain occasions, be required to provide samples on request by the Engineer.

6 COMMISSIONING AND TESTING

On completion of the installation, it shall be tested to the satisfaction of the Engineer and all results shall be recorded in the Operating and Maintenance manuals.

All balancing and testing shall be carried out by the Contractor entirely at his own expense, and all test instruments shall be checked for accuracy by the Manufacturers, Suppliers, or an approved Laboratory and certified copies of the certificates showing the degree of accuracy shall be supplied to the Engineer, if requested.

Gauges, thermometers, ammeters, and other instruments which form part of the permanent plant may be used for test purposes provided they are certified as accurate.

The Engineer shall have the right to inspect any item of equipment during manufacture or before delivery to site.

The Contractor shall balance, set, and test the entire plant and shall submit the results to the Engineer who shall then carry out spot checks in the presence of the Contractor.

7 ELECTRICAL WIRING

Unless specifically stated otherwise in the project specification, the Contractor shall be responsible for all electrical work and control wiring associated with the air conditioning installation with the exception of the incoming power which will be provided by others.

All electrical work shall comply with the requirements of the local Municipal Authorities and

the Code of Practice for the "Wiring of Premises" SANS 10142, as amended.

8 OPERATING AND MAINTENANCE INSTRUCTIONS

The Contractor shall furnish to the Engineer three bound copies of Operating and Maintenance Instructions prior to the final acceptance of the installation.

The manuals shall include the following:

- Index
- Description of the plant
- Operation of the plant
- Plant and equipment - including model numbers and Suppliers
- Test report
- Maintenance instructions
- Spare parts list
- Descriptive literature
- Record drawings (for all equipment installed and electrical wiring performed by the air conditioning contractor).

9 PAINTING

No untreated metal surfaces shall be permitted on the project. Items which are not galvanised or similarly protected against rust and corrosion, shall be painted.

All black metal work including brackets, hangers, platforms, piping etc. either exposed or concealed shall be thoroughly cleaned, de-scaled and painted with one coat zinc chromate followed by one coat enamel paint, to an approved colour.

Unless specified to the contrary hereafter, all equipment, exposed ducting, pipes, metal parts and insulated and plastered surfaces shall be painted with a primer coat followed by two coats enamel paint, to an approved colour.

10 REFRIGERANT AND REFRIGERATION PIPING

All refrigerant piping will be insulated and vapour sealed with closed cell preformed sections with taped joints; proprietary tape only will be used. The AC Contractor will ensure that the aggregate equivalent suction and liquid refrigerant lines lengths do not exceed the manufacturer's recommended allowances.

All refrigerants are to be R410 A (ODP zero). If alternatives are proposed they must have an Ozone Depleting Potential of zero.

10.1 Refrigeration piping shall be carried out in phosphoric acid deoxidised seamless copper tubing. The piping for R410A shall be as follows.

Outside Diameter (mm)	Outside Diameter (in)	Material	Wall thickness (mm)
6.4	1/4	0	0.8
9.5	3/8	0	0.8
12.7	1/2	0	0.8
15.9	5/8	0	1.0

19.1	3/4	0	1.0
22.2	7/8	1/2H	1.2
25.4	1 1/8	1/2H	1.2
28.6	1 3/8	1/2H	1.2
31.8	1 5/8	1/2H	1.2
34.9	2 1/8	1/2H	1.3
38.1	2 5/8	1/2H	1.3

- 10.2 All piping shall be kept properly sealed against moisture and dirt at all times. Bends in soft drawn material shall be made with long radius using proper tools. If hard drawn piping material is used then only long radius brazed bends may be used.
- 10.3 The piping shall be correctly sized using the equipment manufacturer's method or software. The additional refrigerant charge shall be accurately calculated by the same method. The maximum pipe lengths shall be adhered to.
- 10.4 All branch connections shall be by means of "proprietary" type joints as supplied by the air conditioning equipment manufacturer. The joints shall be installed with the connections on a horizontal plane or with the direction of flow in a vertical plane.
- 10.5 Only synthetic oil compatible with the refrigerant shall be used to lubricate any cutting, reaming and flaring tools.
- 10.6 Only phosphor copper brazing rods shall be used without any flux on the piping joints. The pipe work shall be continuously purged with low pressure nitrogen during all brazing operations.
- 10.7 Simple purging of the refrigerant lines between the indoor and outdoor sections is not acceptable. The lines shall be correctly pressure tested with nitrogen plus a small amount of refrigerant to 3.8 MPa for R410A and left for 24 hours to ensure pressure does not drop. The piping shall then be purged using a vacuum pump to -100 kPa (for more than 2 hours) and ensure that it holds this vacuum for 1 hour to the satisfaction of the engineer. The system shall then be charged in the liquid state with the calculated amount of additional refrigerant by using an accurate charging scale (charging cylinder cannot be used). Only once the system is correctly charged shall the refrigerant valves on the outdoor units be opened.
- 10.8 The pipe work arrangement for multiple outdoor units shall be correctly arranged to meet the equipment manufacturer's requirement.
- 10.9 No ozone depleting substances are to be associated with the manufacture or composition of all thermal insulants.

Refrigerant insulation shall be of closed cell structure and be of the vapour barrier type.

Its thermal conductivity shall be not higher than 0.037 W/m °C and be fire retardant material of Class 1.

11 AIR CONDITIONING RETICULATION – ROOF VOIDS

- 11.1 Reticulation positioned within roof voids may be laid on and supported by the existing timber roof trusses. Suitable hold down clamps must be used at intervals not exceeding 3 metres. The hold down clamps must be fixed to the timber roof trusses using a minimum of two x 4 mm stainless steel wood screws or similar. Care must be taken to ensure sufficient clearance around reticulation to allow for the installation of pre formed thermal insulation. To avoid sagging, refrigerant piping shall be supported on cable trays in every 2m interval. No Ozone

Depleting substances are to be associated with either the manufacturer or composition of all thermal insulants in the project.

- 11.2 Where reticulation interferes with other services such as electrical or potable water reticulation the contractor must avoid these services by re-routing the air conditioning reticulation.

12 PROGRAMME

- 12.1 The Tenderer shall allow for programming the work in such a manner as to not disrupt the Main Contractor's programme. Sequence of work to suit the Sub Contractor's requirements will not be guaranteed.
- 12.2 The Tenderer shall take note of the fact that this is a new building of buildings and as such interruptions and interference with other building contractors and services will occur. Claims arising out of broken work sequences or agreed programmes changed due to on site requirements will not be considered.
- 12.3 The cost of overtime, additional labour and plant necessary for the completion of the Works in accordance with the programme shall be included in the Air Conditioning Contractor's tender price for the Works.

13 WORK CARRIED OUT BY OTHERS

The following work is excluded from this Contract and will be carried out by others.

- All builders' work including the forming of holes in walls and making good thereafter.
- The cutting of holes in suspended ceilings and ceiling tiles for the fixing of air conditioning equipment.
- The provision of a 400/420V 3ph 50Hz electrical supply to the air conditioning outdoor units.
- The provision of a 230 V 1 Ph 50 Hz electrical supply to all indoor air conditioning units.
- The provision of a chased in 100 x 50 x 50 back box and conduit with draw wire to the ceiling void above to accommodate installation of hard wired remote controller supplied with each unit.

14 REQUIREMENTS FOR AIR CONDITIONING UNITS/EQUIPMENT SPECIFICATIONS

- 14.1 The air conditioning systems for dissecting rooms and X-ray room shall be air cooled, split type systems consisting of outdoor units having capability to control heating or cooling.
- 14.2 The refrigeration compressor in the outdoor unit shall be equipped with inverter controller and capable of changing the rotating speed to follow variations in cooling or heating load.
- 14.3 Airconditioning units shall be ceiling mounted cassette and midwall type air-conditioning units. The capacities shall be as specified in drawing 1745-7-HVAC-01.
- 14.4 The refrigerant used shall be R410A.
- 14.5 The system shall be capable of operating continuously at ambient temperatures between - 5°C and 40°C.

- 14.6 Both indoor and outdoor units shall be assembled, tested, and charged with refrigerant at the factory.
- 14.7 The systems shall be provided with potential free contacts to be wired to the fire detection panel and shall shut down in the event of alarm being received.

15. OUTDOOR UNITS.

- 15.1 The outdoor units shall be factory-assembled units housed in sturdy weatherproof casings constructed from rust proofed galvanized steel panels coated with a baked epoxy powder finish. Outdoor units shall be corrosion protected with Bluechem, Tectyl or engineer approved equal.
- 15.2 The units shall each have a minimum of two scroll compressors and be able to operate even when one of the compressors is out of order.
- 15.3 The noise level shall not be more than 60dB(A) at normal operation measured horizontally 1m away and 1,5m above ground. The outdoor unit shall be equipped with a night quiet mode.
- 15.4 The compressor shall be of highly efficient scroll type and equipped with inverter control capable of changing the speed in accordance to the cooling or heating load requirement.
- 15.5 The heat exchanger shall be constructed with copper tubes mechanically bonded to aluminium fins to form a cross fin coil. The aluminium fins shall be covered by anti-corrosion resin film,
- 15.6 The refrigerant circuit shall include liquid and gas shut off valves and a solenoid valves. All necessary safety devices shall be provided to ensure the safety operation of the system. The following safety devices shall be part of the outdoor unit,
- High Pressure Switch
 - Overload Relay
 - Inverter Overload Protector
 - Fusible Plugs.
- 15.7 The unit shall be equipped with an oil recovery system to ensure stable operation with long refrigerant piping runs.
- 15.8 Condenser units are suitable for operation at low ambient temperatures
- 15.9 Evaporator and the condenser are to be protected against freezing of the evaporator coil
- 15.10 The cooling fins must be protected against hail with suitably sized perforated galvanized material powder coated the colour of the units. All fixings shall be galvanized or stainless steel.
- 15.11 The outdoor units shall be capable of heating water to be circulated to storage vessels.

16 INDOOR UNITS

- 16.1 Indoor units shall be of the ceiling mounted cassette and midwall type. They shall have electronic control valves, which control refrigerant flow rate in response to load variations of the room. The fans shall be of the multi blade type and statically and dynamically balanced to ensure low noise and vibration free operation. Cassette units shall be so designed as to provide evenly distributed air through 360°. Cassette units shall be supplied complete with

spigots on to which fresh air ducting can be connected.

17 DUCTING

- 17.1 Ducting will not be insulated as it serves ventilation only.
- 17.2 Ducting shall be manufactured from galvanized sheet steel in accordance with SANS 10173. SMACNA (Sheet Metal and Air Conditioning Contractors National Association Inc. USA, SANS 1238 All ductwork that carries air temperatures below ambient dew point shall be provided with a vapour barrier seal that complies with SANS 10173.
- 17.3 Where exposed to the elements, waterproofing shall comprise a synthetic membrane treated with Pekay F435 acrylic sealer to manufacturers' specification with a final coat of acrylic roof paint.
- 17.4 Flexible ducts shall not exceed 1,2m in length.
- 17.5 All supply air ducts shall be pressure tested with a maximum leakage of 5%.

18 FANS

- 18.1 System F1(fan located in the ceiling void above the new waiting area) shall be in-line multi-box type fan complete with upstream and downstream sound attenuators. Anti-vibration connections shall be included in the fan selection, the fan shall be selected in the most quiet and efficient mode. The tenderer must submit the selection of the fan for engineer's approval prior to purchasing the fan. The duties of the fan systems are on drawing 1745-7-HVAC-01.
- 18.2 System F1 (fan located in the X-ray room, ceiling void) shall be inline duct fans complete with downstream and sound attenuators. Anti-vibration connections shall be included in the fan selection, the fan shall be selected in the most quiet and efficient mode. The tenderer must submit the selection of the fan for engineer's approval prior to purchasing the fan. The duties of the fan systems are on drawing 1745-7-HVAC-01.
- 18.3 All other fans shall be roof mounted axial flow type complete with guards, speed controller and a cowl. The duties of the fan systems are on drawing 1745-7-HVAC-01.

19 DIFFUSERS, GRILLES ETC.

- 19.1 Air distribution shall be by means of ceiling diffusers or grilles as detailed in the project specification.
- 19.2 Ceiling diffusers shall be of "Rickard", "Troxx", or equal and similar manufacture, specified. Ceiling diffusers shall generally be connected to the main duct system by means of flexible connections.
- 19.3 Side blow outlets shall be of "Natal Aluminium", "Troxx", or equal and similar manufacture, and shall be either double or single deflection as specified, manufactured from extruded aluminium with anodised or powder coated finish. Outlets shall be fitted with opposed blade dampers.
- 19.4 Return air grilles shall be either of the egg crate, or fixed blade type, as detailed in the project specification. They shall be manufactured from extruded aluminium with anodised or powder coated finish.
- 19.5 Door grilles shall be of the v-type with telescopic flanges, manufactured from extruded aluminium with anodised or powder coated finish.
- 19.6 Outside weather louvers shall be manufactured from extruded aluminium with anodised or

powder coated finish. Louvers used for outside air intakes shall be fitted with opposed blade dampers having blades no less than 100mm deep. All outside weather louvers shall be fitted with a vermin proof galvanised wire screen behind the blades.

20 SERVICING OF EQUIPMENT

The existing air conditioning equipment shall be serviced and maintained, but not limited, to the following guidelines:

- Insect and clean air filters, replace where necessary.
- Check both indoor and outdoor for noise and vibration, fix as required
- Check unit heat and cooling modes
- Fix drain pipes to walls properly with holderbats.
- Check fins on indoor and outdoor for damage and straighten with a wire brush
- Check for corrosion and treat with protective film
- Fix all illegal electrical connections
- Check for leaks in the system and re-gas as necessary
- Clean sanitize evaporator coil
- Lubricate motor and blower bearings as per manufacturer's recommendation
- Test compressor's amperage
- All test and results to be recorded.

NEW BRIGHTON FORENSIC LABORATORY- HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION
SCHEDULE 1 : PRELIMINARY AND GENERAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Contractual Items				
1.1	Provision of Sureties	Sum	1		
1.2	Insurances	Sum	1		
1.3	Third Party Insurance	Sum	1		
1.4	Guarantee of the Works	Sum	1		
1.5	Provide test results	Sum	1		
1.6	Provision of Record Drawings	Sum	1		
2	Fixed Cost Items				
2.1	Site Establishment/Removal	Sum	1		
2.2	Other (Specify).....				
	(i).....	Sum			
	(ii).....	Sum			
	(iii).....	Sum			
	(iv).....	Sum			
	(v).....	Sum			
3	Time Related Items				
3.1	Supervision	Sum	1		
3.2	Project Administration	Sum	1		
3.3	Other Overheads (Specify)				
	(i).....	Sum	1		
	(ii).....	Sum	1		
	(iii).....	Sum	1		
	(iv).....	Sum	1		
	(v).....	Sum	1		
4	Commissioning				
4.1	Testing and Commissioning	Sum	1		
5	Training				
5.1	Training of staff on the operation and daily maintenance of the installed equipment under this contract	Sum	1		
	NOTE P&G costs for time related items shall be based on the Contract period specified in the Form of Tender				
TOTAL CARRIED FORWARD TO SUMMARY					

**NEW BRIGHTON FORENSIC LABORATORY- HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION
SCHEDULE 2 : HVAC INSTALLATION**

ITEM	SPEC REF	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL AMOUNT
2		Supply, deliver, install, test and commission equipment as specified including all fixtures, and all required equipment to successfully complete the installation,					
2.1		ROOF MOUNTED FANS					
		400 diameter roof mounted fan complete with mushroom cowl	SUM	4			
2.1.1							
2.1.2		600x600 Grille	Sum	4			
		Midwall Typer Inverter AC Units					
2.1.3		5.6 kW Nominal Cooling	each	4			
2.1.4		7.1 kW Nominal Cooling	each	1			
2.1.5		Wired remote controller with holder and reciever	each	5			
2.2		FRESH AIR SUPPLY DUCTWORK					
		Unless otherwise specified all fresh air supply sheet metal ductwork shall be supplied without insulation. All duckwork shall be c/w all the necessary galvanized rod and angle					
2.2.1		250mm diameter	m	10			
2.2.2		200mm diameter	m	15			
2.2.3		150mm diameter	m	10			
2.2.4		150mm diameter Flexible duct	m	10			
2.3		BENDS & FITTINGS					
2.3.1		Ø250mm to Ø200 mm Transition Piece	No.	1			
2.3.2		Ø315mm to Ø250 mm Transition Piece	No.	1			
2.3.3		200mm - Stop End	No.	1			
2.4		FRESH AIR FANS					
		Supply and install low profile mixed flow, sound absorbent fan c/w with all supporting brackets and canvas collars , for continous duty.					
		Ø315 In-line Duct Supply Fan c/w Upstream and Downstream Attenuators 190 l/s @ 180 Pa	No.	1			
2.4.1							
2.5		DIFFUSERS, GRILLES & VALVES					
2.5.1		150 diameter Plastic Supply Valve	No.	5			
2.5.3		300x300 hinged weather louvre with filter media	No.	1			
2.5.4		300x300 - 50mm Washable Pleated Panel Filter c/w Filter Box	No.	1			
TOTAL CARRIED FORWARD TO SUMMARY							

NEW BRIGHTON FORENSIC LABORATORY- HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION
SCHEDULE 3 :TEST DAYWORKS

<u>ITEM NO</u>	<u>Spec. Ref</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>MATERIAL RATE</u>	<u>LABOUR RATE</u>	<u>TOTAL AMOUNT</u>
3.1		Dayworks for unforeseen items to be approved by the Engineer prior to implementation					
3.1.1	n/a	Qualified Artisan	Hrs	40			
3.1.2	n/a	Semi-skilled labourer	Hrs	80			
3.1.3	n/a	Labourer	Hrs	160			
3.2		Snag, test, Balance, commissioning of the following:					
3.2.1		5.6kW Midwall AC unit	sum	1			
3.2.2		7,1kW Midwall AC unit	sum	1			
3.2.3		Extract fans	sum	4			
3.2.4		Fresh air fans	sum	1			
TOTAL CARRIED FORWARD TO SUMMARY							

NEW BRIGHTON FORENSIC LABORATORY- HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION

SCHEDULE 4 :REFRIGERANT PIPING

<u>ITEM NO</u>	<u>Spec. Ref</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>MATERIAL RATE</u>	<u>LABOUR RATE</u>	<u>TOTAL AMOUNT</u>
4.1		For purposes of measuring extra over to piping and fittings measured under the system Bills. Supply and install air conditioning gas piping and fittings for R410A system					
4.1.1		Grade xxx copper piping Ø6.35mm	m	1			
4.1.2		Grade xxx copper piping Ø9.52mm	m	1			
4.1.3		Grade xxx copper piping Ø12.7mm	m	1			
4.1.4		Grade xxx copper piping Ø15.88mm	m	1			
4.1.5		Grade xxx copper piping Ø19.05mm	m	1			
4.1.6		Grade xxx copper piping Ø22.2mm	m	1			
4.1.7		Grade xxx copper piping Ø28.58mm	m	1			
4.1.8		Grade xxx copper piping Ø34.93mm	m	1			
4.1.9		Grade xxx copper piping Ø41.28mm	m	1			
4.2		Gas piping insulation for pipes listed below					
4.2.1		Ø6.35mm	m	1			
4.2.2		Ø9.52mm	m	1			
4.2.3		Ø12.7mm	m	1			
4.2.4		Ø15.88mm	m	1			
4.2.5		Ø19.05mm	m	1			
4.2.6		Ø22.2mm	m	1			
4.2.7		Ø28.58mm	m	1			
4.2.8		Ø34.93mm	m	1			
4.2.9		Ø41.28mm	m	1			
4.3		Supply and install air conditioning gas piping and fittings - elbows					
4.3.1	6,1	Ø6.35mm ID	Unit	1			
4.3.2	6,1	Ø9.52mm ID	Unit	1			
4.3.3	6,1	Ø12.7mm ID	Unit	1			
4.3.4	6,1	Ø15.88mm ID	Unit	1			
4.3.5	6,1	Ø19.5mm ID	Unit	1			
4.3.6	6,1	Ø22.2mm ID	Unit	1			
4.3.7	6,1	Ø28.58mm ID	Unit	1			
4.3.8	6,1	Ø34.93mm ID	Unit	1			
4.3.9	6,1	Ø41.28mm ID	Unit	1			
4.4		Supply and install R410A refrigerant gas	kg	1			
4.5		Supply and install joint kits	Unit	1			
CARRY FORWARD TO SUMMARY PAGE							RATE ONLY

**NEW BRIGHTON FORENSIC LABORATORY- HEATING, VENTILATION, AIR CONDITIONING
AND REFRIGERATION
FINAL SUMMARY**

ITEM No.	DESCRIPTION		TOTAL
1	PRELIMINARIES AND GENERAL		
2	HVAC INSTALLATION		
3	TEST DAYWORKS		
4	AC PIPES AND FITTINGS		RATE ONLY
	SUBTOTAL		
TOTAL TRANSFERRED TO SECTION 2 BILL No.12 ITEM 1 OF BILLS OF QUANTITIES			

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDING WORKS</u>				
<u>Bill No. 13</u>				
<u>FIXTURES & FITTINGS</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials:</u>				
Proprietary items or materials where specified are to be of the brand specified - or other equal approved - by the Principal Agent.				
<u>FURNITURE (CPAP Work Group No. 136, Unless Otherwise Stated)</u>				
<u>'Franke' or equal approved 1,2mm Thick grade 304 stainless steel table:</u>				
1	No	4		
900 x 600mm table with 50 x 10mm apron on 40 x 40mm stainless steel tube gallows brackets and front legs with adjustable feet and foot flanges complete with underside sprayed with bitumastic sound deadening and galvanised mild steel backing sheet.				
<u>'Franke' or equal approved grade 316 stainless steel writing desk:</u>				
2	No	4		
900 x 570 x 300mm wall mounted writing desk complete with a single front draw on smooth running telescope slides with supawood backing (code : 2630064).				
<u>Ventilation Dissection table:</u>				
3	No	4		
2250 x 950 x 950mm Ventilation dissection and docking station table and sink comprising of 400 x 300mm splash back to back only, 850 x 550 x 200mm rinse bowl on right hand side, louvered extraction panel +-150 litres of air per second fitted into the bowl covers, 1255 x 550 x 120mm deep wash down sump complete with sparage pipes to front and back of sump, 2No removable standing overflow grids with "O" ring handle and 1,5m and 3,5m flexible hose pipes and connection fittings (code: 2630134).				
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2 Bill No. 13 Fixtures & Fittings				

Item	Unit	Quantity	Rate	Amount
<u>Grade 304 stainless steel surgical trolley:</u>				
4	No	4		
600 x 450 x 860mm High surgical trolley with two removable shelves on 4 x 75mm twin wheel caster with circlip stems (code : 19-SM).				
<u>Medical scale:</u>				
5	No	4		
265 x 265 x 53mm Seca 856 organ scale (code : MHE-856).				
<u>'Franke' or equal approved 1,2mm Thick grade 304 stainless steel cabinet:</u>				
6	No	4		
900 x 300 x 900mm wall mounted instrument cabinet comprising of two hinged door with shatterproof glass lockable door supplied with two keys, two shelves and two key hole slots for mounting to wall (code : 2630063-002).				
<u>Grade 304 stainless steel hydraulic lifting trolley:</u>				
7	No	5		
2 230 x 730 x 360mm high hydraulic lifting trolley to be fitted with hand operated pump and a max lifting weight of 250kg:				
<u>'Franke' or equal approved grade 304 stainless steel tiliting trolley:</u>				
8	No	4		
2 000 x 785 x 850mm high tiliting trolley fitted with 125mm diameter bolt type castors. (code : 2630075)				
<u>'Franke' or equal approved grade 304 stainless steel transport trolley:</u>				
9	No	5		
2 000 x 672 x 850mm high transport trolley fitted with 125mm diameter bolt type castors. (code : 2630073)				
<u>'Franke' or equal approved grade 304 stainless steel double body rack:</u>				
10	No	11		
Four tier 40 x 40 x 1.5mm gauge square tubing body rack. Post and 3mm gauge stainless steel U shaped bearers. All shafts to be from solid 16mm dia st/st and fitted with nylon rollers and st/st circlips. All joints to be fuse welded. All racks to be joined together at the top of wach fixing post with a 40 x 40 x 6mm gauge st/st angle stay to stabilize the banks body trays. All bearers and stays shall be bilted with 8mm st/st bolts each post shall be fitted with adjustable st/st foot flanges. (code : 2630067)				
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 2				
Bill No. 13				
Fixtures & Fittings				

Item	Unit	Quantity	Rate	Amount
<p><u>'Franke' or equal approved grade 304 stainless steel obese body rack:</u></p>				
<p>11 Three tier 40 x 40 x 1.5mm gauge square tubing obese body rack. Post and 3mm gauge stainless steel U shaped bearers. All shafts to be from solid 16mm dia st/st and fitted with nylon rollers and st/st circlips. All joints to be fuse welded. All racks to be joined together at the top of wach fixing post with a 40 x 40 x 6mm gauge st/st angle stay to stabilize the banks body trays. All bearers and stays shall be bilted with 8mm st/st bolts each post shall be fitted with adjustable st/st foot flanges. (code : 2630070)</p>	No	5		
<p><u>'Franke' or equal approved 1,2mm thick grade 304 stainless steel obese pressed body tray:</u></p>				
<p>12 2 095 x 667mm Wide body tray fitted with a 20mm square tubing frame all round, two 25mm diameter support fitted longitudinally to the underside for the Rapid Transfer System and two 20mm diameter stainless steel handles . (code : 2630061)</p>	No	30		
<p><u>'Franke' or equal approved 1,2mm thick grade 304 stainless steel pressed body tray:</u></p>				
<p>13 2 095 x 567mm Wide body tray fitted with a 20mm square tubing frame all round, two 25mm diameter support fitted longitudinally to the underside for the Rapid Transfer System and two 20mm diameter stainless steel handles . (code : 2630062)</p>	No	88		
<p>TOTAL CARRIED TO BILL SUMMARY</p>			R	
<p>Section No. 2 Bill No. 13 Fixtures & Fittings</p>				

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Bill No. 13

Fixtures & Fittings

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SECTION NO. 3
OCCUPATIONAL HEALTH AND
SAFETY

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<u>SECTION NO. 3</u>				
<u>OCCUPATIONAL HEALTH AND SAFETY</u>				
<u>Bill No. 1</u>				
<u>OCCUPATIONAL HEALTH AND SAFETY</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371-A) for the full descriptions of material to be used and work to be done in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Supplementary Preambles:</u>				
Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent each item.				
Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.				
After pricing of the health and safety bill of quantities, the Contractor must sign the Certificate of Acquaintance as evidence that he is up to date regarding the contents, obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. Failure, by the Tenderer, to sign the Certificate of Acquaintance may result in the Tender being deemed non-responsive.				
<u>OCCUPATIONAL HEALTH AND SAFETY</u>				
<u>General:</u>				
1	Preparation of the contractors site specific health and safety plan and Safety File.	No	1	
2	Principal contractors initial obligations in respect of the occupational health and safety act and construction regulations.	Item		
3	Principal contractor's time related obligations in respect of the occupational health and safety act and construction regulations.	Item		
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Occupational Health And Safety				

Item	Unit	Quantity	Rate	Amount
<u>Provision of personal protective equipment (ppe):</u>				
4	(a) Reflective vest. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
5	(b) Hard hats. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
6	(c) Protective foot wear. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
7	(d) Hearing protection. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
8	(e) Dust masks. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
9	(f) Gloves. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
10	(g) Reflective jackets. (Contractor is to insert the quantity based on the Contractors own requirements and no bibs will be accepted)	No		
11	(h) Gum boots. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
12	(i) Safety harness with big hooks. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
13	(j) Respiratory protection to a minimum of FFP2. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
14	(k) Safety goggles. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
15	(l) Any other necessary PPE identified from MSDS's and/or risk assessments. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
<u>Provision of Personnel:</u>				
16	Provision of a Full time construction health and safety manager for the duration of the project.	Months	13	
17	Provision of a Full time construction health and safety officer for the duration of the project.	Months	13	
TOTAL CARRIED TO BILL SUMMARY			R	
Section No. 3 Bill No. 1 Occupational Health And Safety				

Item	Unit	Quantity	Rate	Amount
<u>Cost of medical certificates and medical surveillance:</u>				
18	(a) Initial (baseline) medical examinations. (Contractor is to insert the quantity based on the Contractors own requirements and refer to 5.1 of the OHS specification attached in the tender document as C3.14)	No		
19	Periodic and exit examination. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
20	Exit medical (End of the Project). (Contractor is to insert the quantity based on the Contractors own requirements)	No		
21	Contractors charges to allow for handling costs.	%		
<u>Health & Safety Education:</u>				
22	Induction training. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
23	Tool box talks. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
24	Demonstrations. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
25	Working at heights certificate US 229998. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
<u>First Aid Box:</u>				
26	Provision of first aid boxes to GSR requirements. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
<u>Noise Monitoring:</u>				
27	(a) Establish noise zone (Plant). (Contractor is to insert the quantity based on the Contractors own requirements)	No		
28	(b) Audiograms (Personnel). (Contractor is to insert the quantity based on the Contractors own requirements)	No		
29	(c) Dust monitoring to be taken at regular intervals. (Contractor is to insert the quantity based on the Contractors own requirements)	No		
<u>Method Statements:</u>				
30	Risk Assessments CR 9(1). (Contractor is to insert the quantity based on the Contractors own requirements)	No		
TOTAL CARRIED TO BILL SUMMARY			R	
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Item	Unit	Quantity	Rate	Amount
31 Safety plan. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
32 Fall protection plan CR 10(1). (Contractor is to insert the quantity based on the Contractors own requirements)	No			
33 Electrical and use of machinery CR 24. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
34 Emergency Plan and Response Plan. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
35 Fire precautions. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
36 Construction Vehicles and Mobile Plant. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
37 Use of explosive power tools. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
38 Ladders. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
<u>Accommodation:</u>				
39 Accommodation for employees. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
40 Transportation of workers. (Contractor is to insert the quantity based on the Contractors own requirements)	No			
<u>Submission of reports:</u>				
41 Submission of a health and safety file - scanned to Flash Drive.	No	1		
42 Submission of Close Out Report.	No	2		
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SECTION NO. 4
PROVISIONAL AMOUNTS

Item	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>PROVISIONAL AMOUNTS</u>				
<u>Bill No. 1</u>				
<u>PROVISIONAL AMOUNTS</u>				
<u>BUDGETARY ALLOWANCES</u>				
<u>MACERATOR</u>				
<u>Macerator:</u>				
1	Item			200 000 00
Provide the amount of R 200 000.00 (Two Hundred Thousand Rands) for Macerators installation complete.				
2	Item			
Allow for Profit.				
3	Item			
Allow for Attendance.				
<u>COMMUNITY LIAISON OFFICER</u>				
<u>Community Liaison Officer:</u>				
4	Item			78 000 00
Provide the amount of R 78 000 (Seventy Eight Thousand Rands) for the employment of a Community Liaison Officer (R 6 000.00 per month for the duration of the contract).				
5	Item			
Allow for Profit.				
6	Item			
Allow for Attendance.				
<u>PROJECT STEERING COMMITTEE</u>				
<u>Project steering committee:</u>				
7	Item			19 500 00
Provide the amount of R 19 500.00 (Nineteen Thousand Five Hundred Rands) for the Project Steering Committee. (R 1 500.00 per meeting held monthly for the duration of the contract.)				
8	Item			
Allow for Profit.				
9	Item			
Allow for Attendance.				
<u>EXPERIENTIAL WORK OPPORTUNITIES</u>				
<u>Graduates:</u>				
10	Item			234 000 00
Provide the amount of R 234 000.00 (Two Hundred and Thirty Four Thousand Rands) for the employment of three graduates for the duration of the contract (13 Months) for providing experiential work opportunities towards professional registration.				
11	Item			
Allow for Profit.				
TOTAL CARRIED TO BILL SUMMARY			R	
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Bill No. 1				
Provisional Amounts				

Item	Unit	Quantity	Rate	Amount
12 Allow for Attendance.	Item			
<u>Trainees:</u>				
13 Provide the amount of R 78 000.00 (Seventy Eight Thousand Rands) for the employment of three trainees for the duration of the contract (13 Months) for providing experiential work opportunities towards technical qualification for designated persons.	Item			78 000 00
14 Allow for Profit.	Item			
15 Allow for Attendance.	Item			
<u>PPE FOR SMME CONTRACTORS</u>				
<u>PPE for SMME contractors:</u>				
16 Provide the sum of R250 000.00 (Two Hundred and Fifty Thousand Rands) nett for purchasing and providing PPE Kits for all SMME domestic subcontractor labourers' (The Main Contractor shall provide detailed lists with names including ID numbers, verified by SMME Mentor).	Item			250 000 00
17 Allow for Profit.	Item			
18 Allow for Attendance.	Item			
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Provisional Amounts

Item	Unit	Quantity	Rate	Amount
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<u>PROVISIONAL AMOUNTS</u>				
<u>Bill No. 2</u>				
<u>SMME SUBCONTRACTORS</u>				
<u>SMME SUBCONTRACTORS</u>				
<u>SMME subcontractors:</u>				
The following provisional amounts are for work to be undertaken by SMME's in accordance with the Specification for Employment of SMME Sub-Contractors as defined in C3 Scope of Work.				
The amounts scheduled represent the estimated value of the SMME'S works and expressly exclude main contractor's profit and attendance which is to be priced separately under the respective item.				
The SMME's will be domestic subcontractors to the Contractor.				
The Contractors attention is bought to the requirements for the employment of SMME Contractors as set out in C3 Scope of Work, and the Contractor is to price them, in the Preliminaries Section of these Bills of Quantities. The Contractors' attention is drawn to the Clauses and Sub-Causes in the Preliminaries Section of these Bills of Quantities.				
Contractors must during the tender stage identify additional works over and above the SMME Provisional Sums that can be Subcontracted to SMME's Subcontractors in order to achieve the SMME participation goal.				
<u>ALTERATIONS</u>				
<u>Alterations Building Section:</u>				
1				
Provide the amount of R 240 000.00 (Two Hundred and Forty Thousand Rands) for the Alterations to the Building Section to be undertaken by an approved 1GB CIDB graded SMME Subcontractor.				
	Item			240 000 00
2				
Profit on above item.				
	Item			
3				
Attendance on ditto.				
	Item			
<u>MASONRY</u>				
<u>Masonry:</u>				
4				
Provide the amount of R 27 000.00 (Twenty Seven Thousand Rands) for the Masonry to the Building Section to be undertaken by an approved 1GB CIDB graded SMME Subcontractor.				
	Item			27 000 00
TOTAL CARRIED TO BILL SUMMARY			R	
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Bill No. 2				
Smme Subcontractors				

Item	Unit	Quantity	Rate	Amount
5 Profit on above item.	Item			
6 Attendance on ditto.	Item			
<u>PLASTERING</u>				
<u>Plastering:</u>				
7 Provide the amount of R 10 000.00 (Ten Thousand Rands) for the Plastering to the Building Section to be undertaken by an approved 1GB CIDB graded SMME Subcontractor.	Item			10 000 00
8 Profit on above item.	Item			
9 Attendance on ditto.	Item			
<u>TILING</u>				
<u>Tiling:</u>				
10 Provide the amount of R 300 000.00 (Three Hundred Thousand Rands) for the Tiling to the Building Section to be undertaken by an approved 1GB CIDB graded SMME Subcontractor.	Item			300 000 00
11 Profit on above item.	Item			
12 Attendance on ditto.	Item			
<u>SOIL DRAINAGE</u>				
<u>Soil Drainage:</u>				
13 Provide the amount of R 270 000.00 (Two Hundred and Seventy Thousand Rands) for the Soil Drainage to the Building Section to be undertaken by an approved 1SO CIDB graded SMME Subcontractor.	Item			270 000 00
14 Profit on above item.	Item			
15 Attendance on ditto.	Item			
<u>ELECTRICAL INSTALLATION</u>				
<u>Electrical Installation:</u>				
16 Provide the amount of R 3 500 000.00 (Three Million Five Hundred Thousand Rands) for the Electrical Installation to the Building Section to be undertaken by an approved 3EB CIDB graded SMME Subcontractor.	Item			3 500 000 00
17 Profit on above item.	Item			
18 Attendance on ditto.	Item			
TOTAL CARRIED TO BILL SUMMARY			R	
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Smme Subcontractors				

Item	Unit	Quantity	Rate	Amount
<u>PAINTWORKS</u>				
<u>Paintworks:</u>				
19	Item			141 000 00
Provide the amount of R 141 000.00 (One Hundred and Forty One Thousand Rands) for the Paintworks to the Building Section to be undertaken by an approved 1GB CIDB graded SMME Subcontractor.				
20	Item			
Profit on above item.				
21	Item			
Attendance on ditto.				
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Bill No. 2				
Smme Subcontractors				

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SMME SUBCONTRACTORS
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Section No. 4

Bill No. 2

Smme Subcontractors

Item	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 4</u> <u>PROVISIONAL AMOUNTS</u></p>				
<p><u>Bill No. 3</u> <u>CONTINGENCY AND CPAP</u></p>				
<p>The following monetary provisions are to be omitted from the contract sum and used as directed below.</p>				
<p><u>MONETARY ALLOWANCES</u></p>				
<p><u>Contingencies:</u></p>				
1	Item			1 100 000 00
<p>Provide the sum of R 1 100 000.00 (One Million One Hundred Thousand Rands) for contingencies and design contingency, to be used as instructed by the Architect in terms of the Principal Building Agreement.</p>				
<p><u>Statutory Increases:</u></p>				
2	Item			660 000 00
<p>Provide the amount of R 660 000.00 (Six Hundred and Sixty Thousand Rands) for CPAP to be used in terms of clause 26.9.5 of the Principal Building Agreement.</p>				
<p>TOTAL CARRIED TO SECTION SUMMARY</p>			R	
<p>Section No. 4 Bill No. 3 Contingency And Cpap</p>				

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SECTION NO. 5

CIDB B.U.I.L.D PROGRAMME

Item	Unit	Quantity	Rate	Amount
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<u>CIDB B.U.I.L.D PROGRAMME</u>				
<u>Bill No. 1</u>				
<u>CIDB B.U.I.L.D PROGRAMME</u>				
<u>CIDB BEST PRACTICE PROJECT ASSESSMENT SCHEME (CIDB B.U.I.L.D PROGRAMME)</u>				
<u>The Standard for Indirect Targeting for Enterprise Development:</u>				
1				
	Item			
2				
	Item			
3				
	Item			
<u>Skills Development Standard:</u>				
4				
	Item			
5				
	Item			
6				
	Item			
<u>Best Practice Project Assessment Scheme; Assessment Fee; Projects of Tender Grades 7 to 9.</u>				
7				
	Item			
8				
	Item			
9				
	Item			
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TOTAL BEFORE VAT

ADD: VALUE ADDED TAX @ 15%:

TOTAL CARRIED TO FORM OF OFFER AND ACCEPTANCE C1.1

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PART C3

SCOPE OF WORKS

C3 SCOPE OF WORK

C3 Scope of Work

Bid Description:	UPGRADE & RENOVATIONS TO NEW BRIGHTON FORENSIC PATHOLOGY SERVICES LABORATORY: NELSON MANDELA BAY HEALTH DISTRICT.
Tender No:	SCMU3-23/24-0750-HO

C3.1 SCOPE OF WORKS

DESCRIPTION OF THE WORKS:

- **General:**
 - The works are to be undertaken at the New Brighton Forensic Laboratory located at 7 Mati Road, New Brighton, Gqeberha.
 - The facility is located adjacent to New Brighton SAPS.



Figure 01: Locality Plan

- The works are phased as the forensic laboratory is to remain fully operational during the construction period.

- **DETAILED SCOPE OF WORK:**

- **Dissecting Areas:**

- Removal and disposal of existing dissection fittings and fixtures.
- Removal of existing floor epoxy finishes, existing floor screeds and open channel drains.
- Remedial work to existing surface beds.
- Lay new screeds to fall and new high specification epoxy floor finishes by specialist contractor and installation of new stainless steel floor drains and associated plumbing.
- Remove existing wall tiles and install new tiled surfaces.
- Remedial work and repainting to underside of concrete ceilings.
- Repairs and remedial work and painting to walls.
- Remove mild steel frame windows and replace with aluminium frame windows, inclusive of remedial works to plaster surrounds.
- Installation of new door frames and doors.
- All plumbing, drainage and ventilation services upgrade.
- Installation of new dissection fixtures and fittings by specialist suppliers.

- **Existing X-Ray Room:**

- Remedial work and new internal brickwork to convert existing X Ray room to a Dissecting facility.
- Floor screed and floor drains: Removal of existing floor epoxy finishes, existing floor screeds and floor drains.
- Remove and handover of redundant X-Ray equipment to client.
- Lay new screeds to fall and new high specification epoxy floor finishes by specialist contractor and installation of new stainless steel floor drains and associated plumbing.
- Repairs and remedial work and to walls.
- Installation of new wall tiling.
- Remedial work and repainting to underside of concrete ceilings
- Remove mild steel frame windows and replace with aluminium frame windows, inclusive of remedial works to plaster surrounds.
- Installation of new door frames and doors.
- All plumbing, drainage and ventilation services upgraded.
- Complete conversion of space to a dissecting facility.
- Installation of new dissection fixtures and fittings by specialist suppliers.

- **Body Reception:**

- Remove existing floor tiles.
- Remove existing floor screeds and drains.
- Remedial work to existing surface bed.
- Install new floor screeds to fall.
- Install new stainless floor drains and associated plumbing.
- Install new high specification epoxy floor finish by specialist applicator.
- Repairs and remedial work to plastered walls and ceiling.
- New paintwork (professional hygiene anti-microbial paint) to walls and underside of concrete ceiling.
- Replace external roller sliding door.
- Replace internal sliding door.

- **5X Cold Rooms:**
- Cold room refrigeration panels will remain in place and the onus is on the contractor to ensure that refrigeration panels are adequately protected during the renovation stages.
- Remove existing screeds and floor finish in a phased sequence (to be agreed with FSL management).
- Remove all cold room fixtures and fittings and hand over to client.
- Install new stainless steel floor drains.
- Install new screed to fall.
- Install new high specification epoxy floor finish by specialist applicator.
- Remedial work to existing refrigeration panels and sliding doors.
- Installation of new cold room fixtures and fittings by specialist suppliers.
- Refurbishment/ replacement of refrigeration equipment.
- **5X Offices and Boardroom:**
- Install new split unit conditioners as per mechanical engineers specification, inclusive of builders work.
- **Archive / Filing Room:**
- Remove and dispose of existing redundant incinerator.
- Make good roof and leaks.
- Install new suspended 600x600 ceiling.
- Remove external double door and brick up opening.
- Create new internal door access to passage.
- Install new floor screed to match adjacent floor level at passage.
- Install new porcelain floor tiles to match existing.
- Remedial plasterwork.
- Repaint internal brickwork.
- New archive shelving.
- New light fittings.
- **Convert Kitchen to Server Room:**
- Fit security bars externally at window.
- Remove serving hatch and counter and brick up opening.
- Reconfigure existing cupboards / joinery.
- Remove sink top and blank off plumbing. Install new post form top.
- Install new split unit conditioners as per mechanical engineers specification.
- **Convert Laundry New Forensic Exhibit:**
- Fit security bars externally at window.
- Fit security gate internally at existing door .
- Fit new security screen in ceiling void.
- Install new split unit conditioners as per mechanical engineers specification, inclusive of builders work.

- **External Works:**
 - Extension of existing sewer reticulation.
 - New external gulleys and new related sewer infrastructure and manholes.
 - Review of storm water management.

- **Electrical:**
 - Electrical work to be phased to suite sectional completions as listed.
 - The replacement of the distribution board in the dissecting area.
 - New power and lights in the general dissecting areas, with a new power supply to the X ray room
 - New electronic installation, including intruder alarm, CCTV and access control.
 - New dedicated specialised adjustable lighting at each autopsy station.

- **Mechanical:**
 - Mechanicalwork to be phased to suite sectional completion as listed.
 - Installation of new specialized ventilation system at Dissecting area.
 - Installation of fresh air supply to air conditioned spaces.
 - Installation of fire signage, key boxes, servicing of fire equipment .
 - Installation of new AC units and equipment to existing offices and existing boardroom.
 - Engagement with specialist dissection equipment and fittings suppliers to co-ordinate integration of new ventilated dissection station.

- **SECTIONAL COMPLETION, DECANTING AND PHASING:**
 - **General:**
 - The works will comprise of 4 phases/ sub sections for sectional completion.
 - The first three (3) sub sections will embrace works in the dissection areas. The fourth (4) sub section embraces works in the offices and staff area.
 - Each section will be vacated to allow full access to the contractor.
 - The contractor is to install internal hoardings to isolate sectional work areas.
 - There will at times be a requirement to allow the Forensic Services Laboratory limited access into existing cold rooms in areas where the contractor has been granted access.
 - Strict programming of the works and proper construction management will ensure the timeous completion of each section.
 - A temporary “decant” cold room is to be provided in the existing carport during phase1 to allow for a managed and phased upgrade of the 5x existing cold rooms.

- The construction period is reflected graphically as follows:

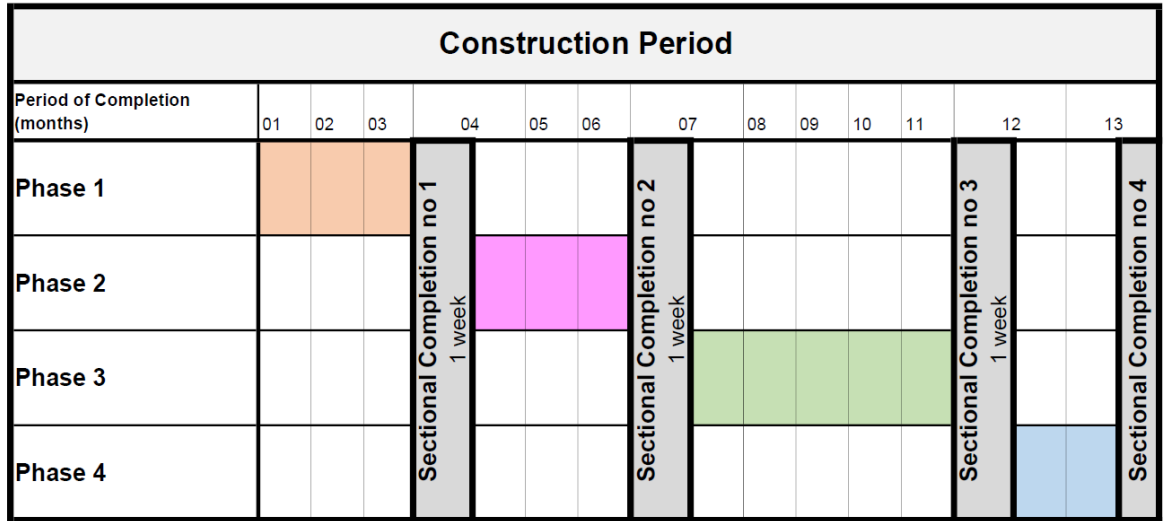


Figure 02: Construction period timeline : 13 months

- **Phasing and Sectional completions are summarised as follows:**
 - Phase 1 and Sectional Completion No. 1 comprised of:
 - Conversion of existing X-Ray room to a Dissecting Facility.
 - External site works.
 - Construction period : 3 months
 - Sectional completion and handover of dissecting facility and external site works. : 1 week

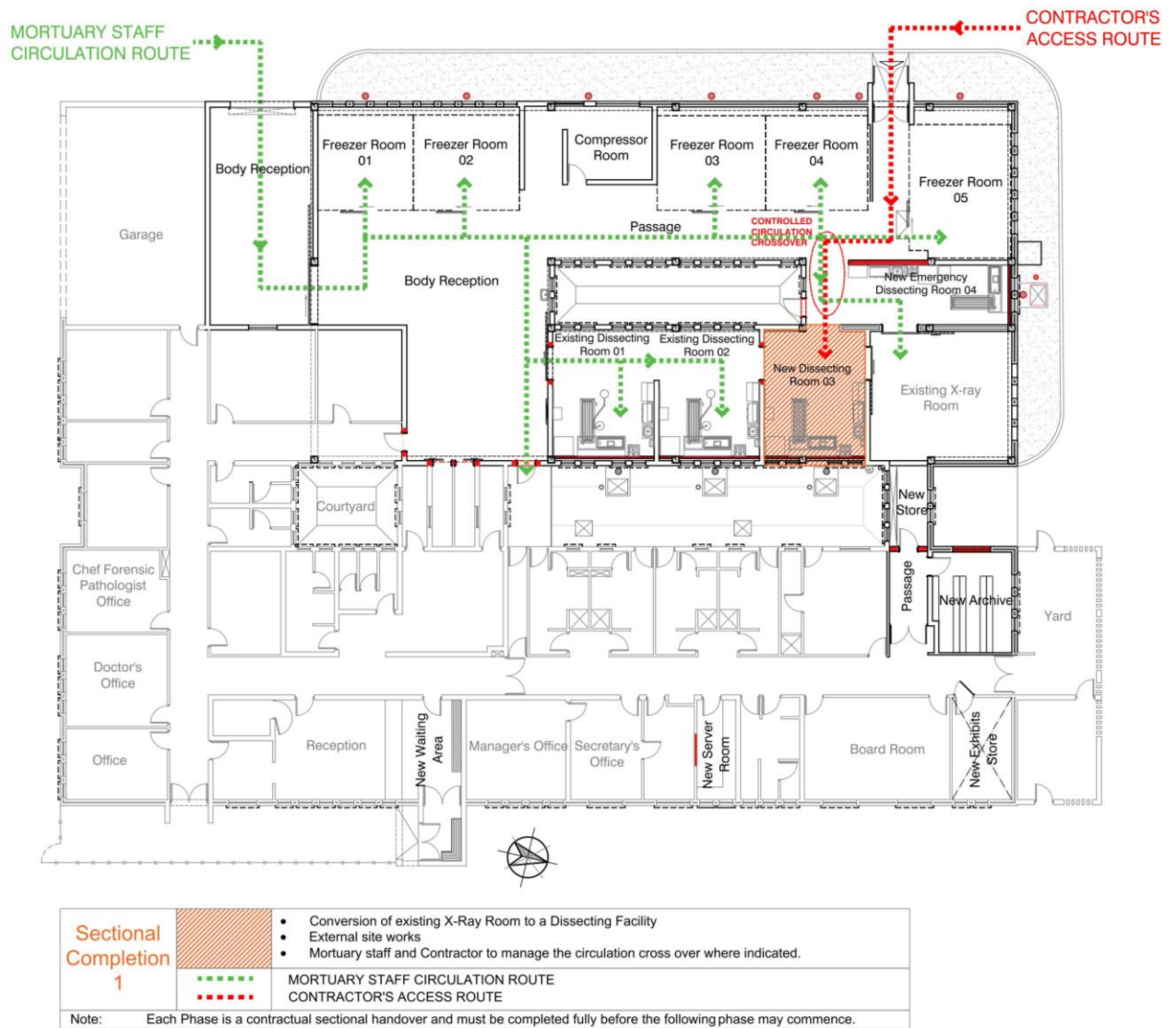


Figure 03: Phase 1 Phasing Diagram

- Phase 2 and Sectional Completion No. 2 comprised of:
- Renovation / rehabilitation and upgrade of 3x cold rooms and compressor area.
- Conversion of existing “dead” space to a dissecting facility.
- Construction period : 3 months
- Sectional completion and handover : 1 week

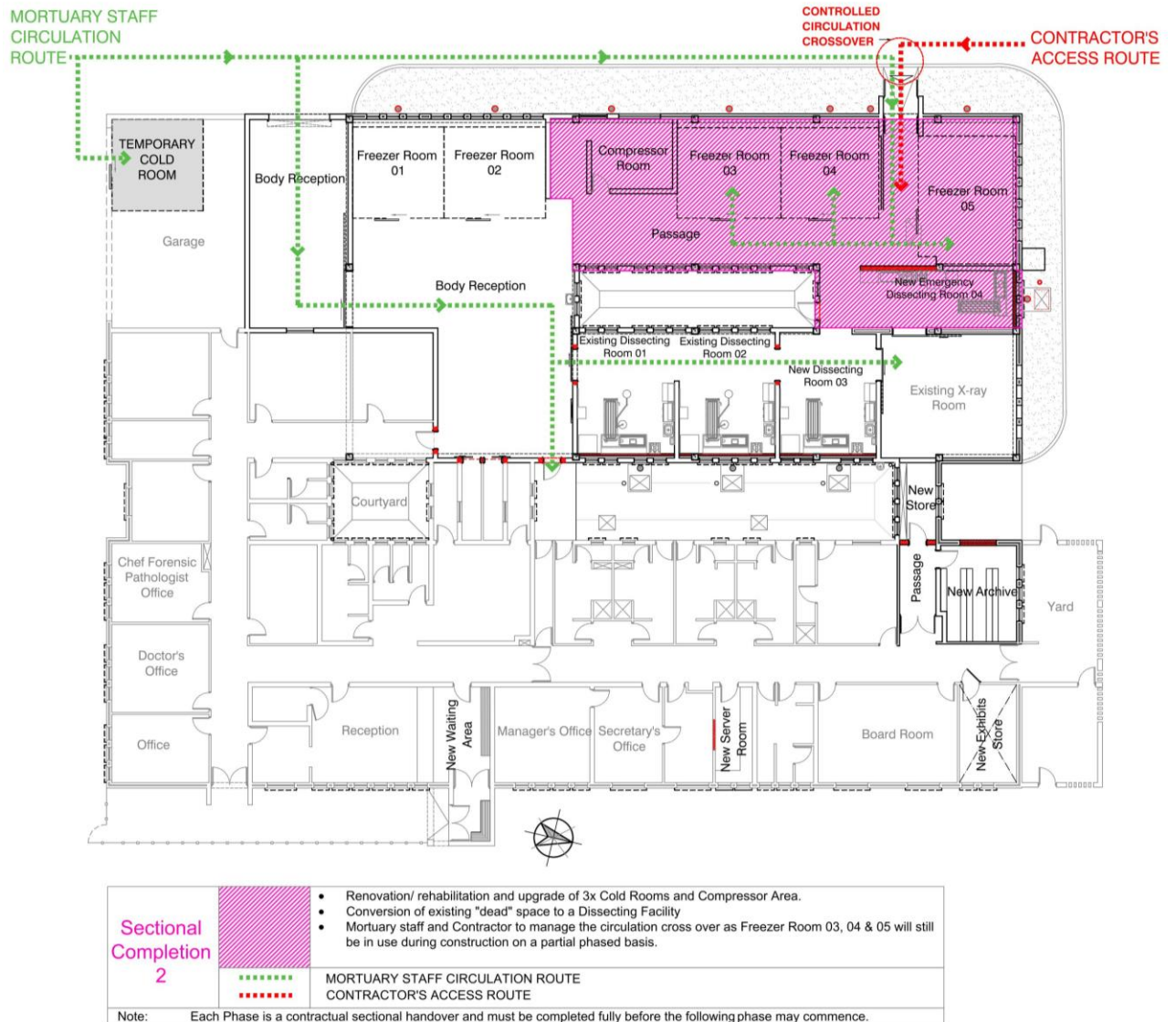


Figure 04: Phase 2 Phasing Diagram

- Phase 3 and Sectional Completion No. 3 comprised of:
- Renovation / rehabilitation and upgrade of 2x cold rooms, body reception, 2x offices, viewing rooms and 2x existing dissection stations.
- Construction period : 5 months
- Sectional completion and handover : 1 week

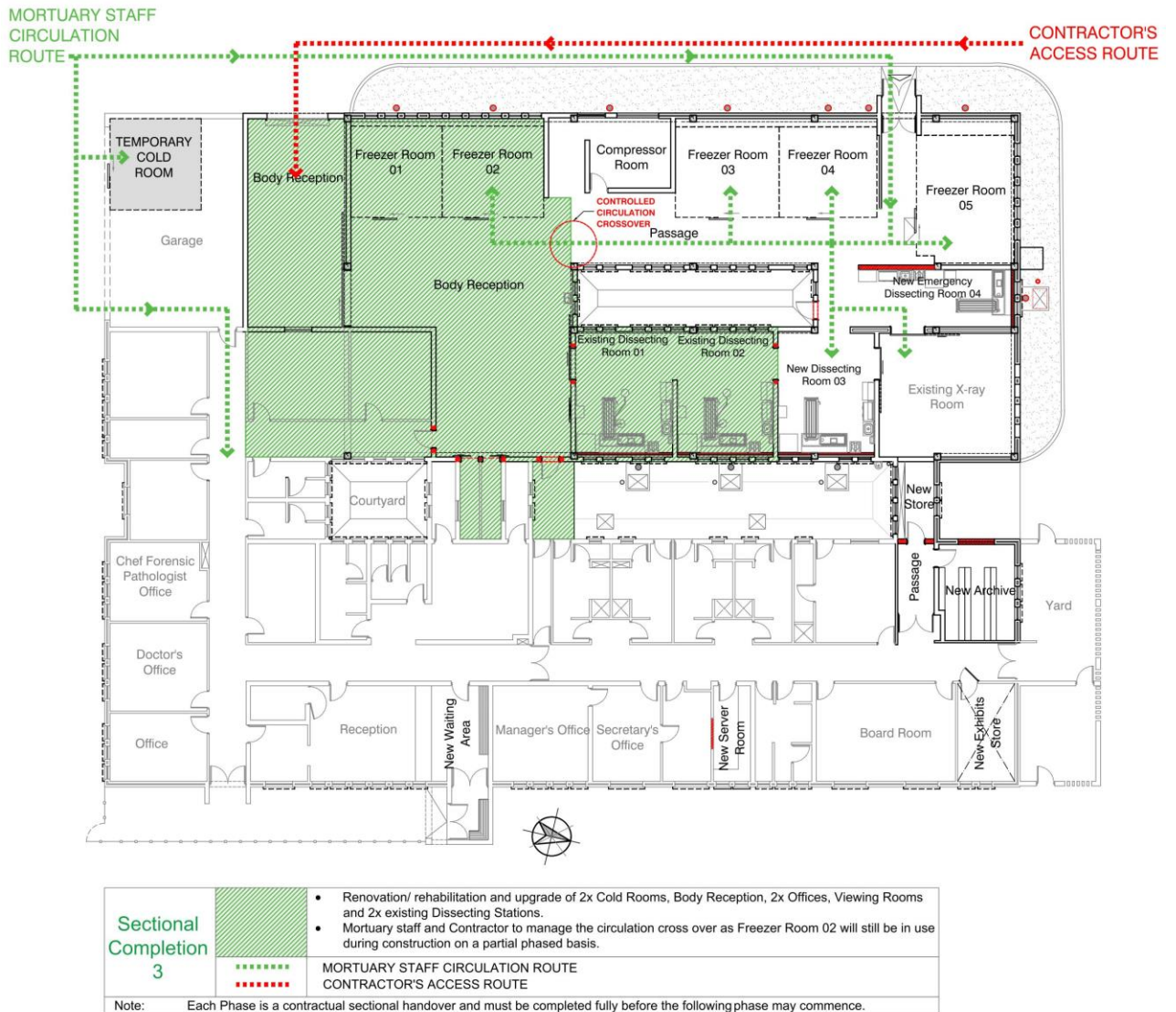


Figure 05: Phase 3 Phasing Diagram

- Phase 4 and Sectional Completion No. 4 comprised of:
- Conversion of existing incinerator to archive.
- Install air-conditioning to 5 offices, server room, Board Room and Reception.
- Convert existing kitchen to server room.
- Convert existing laundry to new Forensic Exhibit store.
- Reconfigure entrance waiting area and reception.
- Construction period : 2 months
- Sectional completion and handover : 1 week

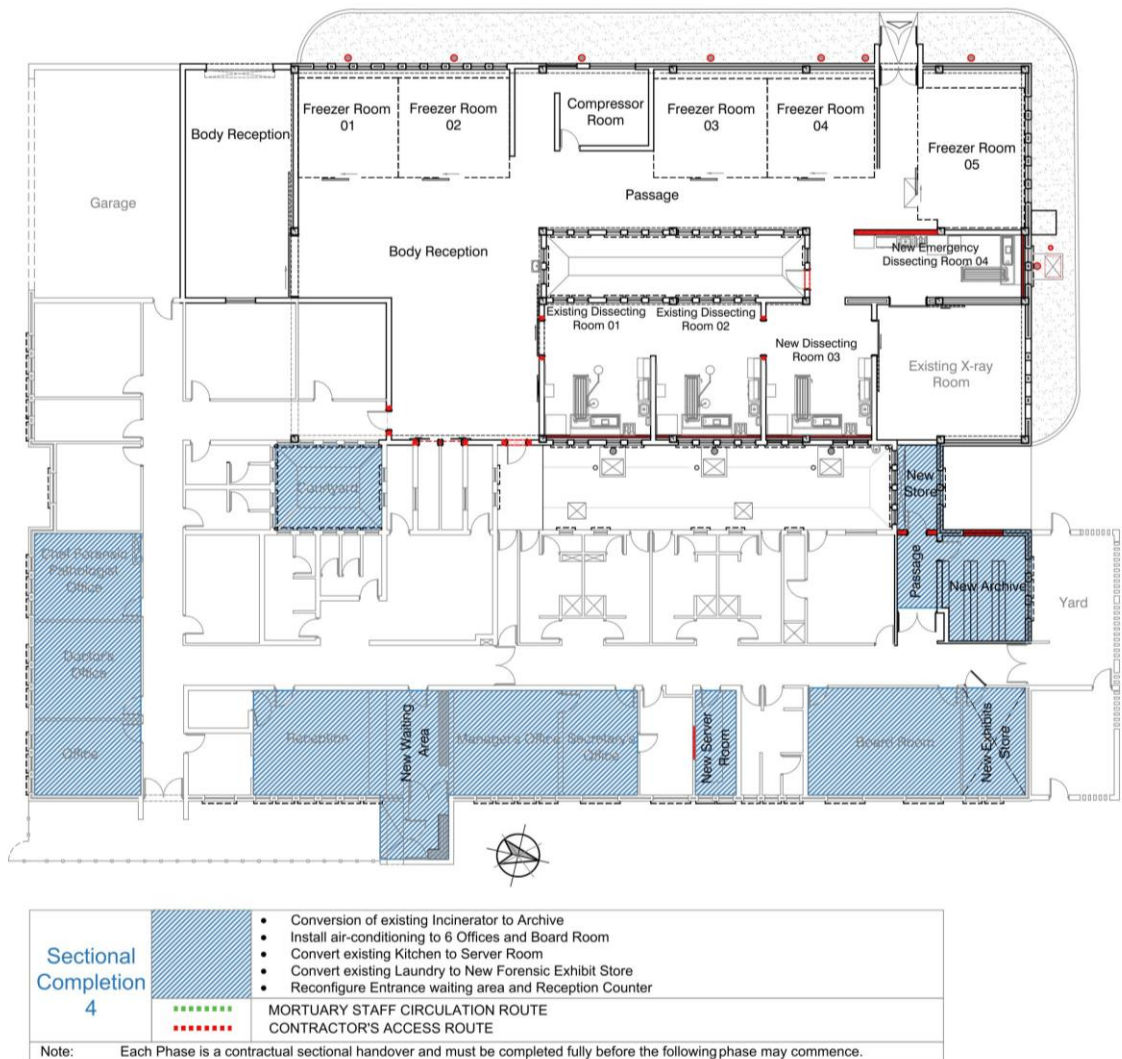


Figure 06: Phase 4 Phasing Diagram

- **SMME Sub Contract Requirement:**

The following specification governs the employment of SMMEs as Domestic Sub-Contractors and is binding to the Contractor. Its purpose is to enhance the methods that are implemented to improve the development of local SMMEs.

This specification is to be read in conjunction with following applicable documents:

- (a) Any applicable form of contract used between the Contractor and DOH (The JBCC Principal Building Agreement (PBA) Edition 6.2 (May 2018))
- (b) Tender Document for the appointment of the Contractor;

The following specification governs the employment of SMME subcontractors:

1. SMME Subcontract

The Contractor shall appoint all SMME subcontractors in terms of an agreement that provides for fair and equitable conditions of contract compatible with the JBCC PBA Edition 6.2 (May 2018). All work and the associated risks related to SMME subcontractors shall be the direct responsibility of the Contractor.

2. SMME Subcontract Target

Thirty Percent (30%) of the Tender Value (excluding Socio Economic Value, CPAP/escalation, Contingency, OHS, Preliminaries, CIDB B.U.I.L.D Program and Value-Added Tax (VAT)) must be executed by SMMEs. It is compulsory for the Contractor to achieve this target as the Contractors performance against this target will be monitored.

Contractors will be required to supply verified monthly statements/schedules (verified by their auditors) indicating the % achieved for that month. A cumulative schedule also needs to be maintained for each month that has passed.

3. A SMME subcontractor is defined as follows:

- 3.1. A targeted enterprise;

- 3.2. A business concern operating in any business sector and which complies with the qualitative and quantitative criteria outlined in the Schedule contained in the National Small Business Act (Act No. 102 of 1996);

- 3.3. An entity which must have an active registration status with the CIDB, targeted CIDB Grade designations 1 to 6;

- 3.4. An entity which must be at least 51% black-owned and managed,

- 3.5. Must be registered on the CSD, and with COIDA

- 3.6. Electrical Contractor's to hold Wireman License and be registered with DOL.

3.7. A local entity. Depending on where the site of the project is located, then locality will be judged on a sliding scale, with the immediate local municipality preferred, followed by the district municipality and then the Province in which the project is located.

4. Procurement and contracting of SMME subcontractors

The Appointed contractor must take note that the Preliminaries Section of document allows for the appointment of an SMME Mentor or Mentors if more than one are required.

After the Award of the Contract, the Contractor will have to start the process of procuring and subcontracting SMME subcontractors to achieve the tendered SMME Participation Goal of 30%. This contracting process for subcontracting SMMEs must commence after the commencement of the Contract Period and shall be completed prior to the commencement of the Construction Period. It is a condition that the Employer shall not give the Contractor possession of site until the above process and the appointment of SMME subcontractors is complete. The Contractor shall take due cognisance to also programme this SMME contracting process in its detailed construction programme.

The SMME Subcontractors must be procured as follows:

4.1. The identification of potential SMME's subcontractors to tender for the SMME packages shall be determined by the recognized community representatives/ structures, involving but not be limited by the Local Ward Councillor, the Social Facilitator and the PSC.

4.2. A competitive tender process obtaining at least three tenders from SMME subcontractors for each SMME package.

4.3. The SMME package documents will be prepared by the representative PSP's in conjunction with the Contract. The PSP's will provide the measured works portion of the tender document, to which the Contractor shall include his conditions of subcontract and requirements.

4.4. The tender documents will be issued to the SMME subcontractors to tender.

4.5. The Contractor shall facilitate a mandatory briefing session with the invited SMME subcontractors. The briefing session must be attended by the representative PSP's including the OHS Agent and social facilitator.

4.6. The Contractor shall provide assistance to the prospective SMME subcontractors and ensure;

4.6.1. They understand the liabilities and responsibilities of the subcontract.

4.6.2. Scope of the SMME package

4.6.3. Procedures for submitting tenders.

4.6.4. Understanding the pricing and implications of the tendered rates.

4.6.5. Procedures and basis of tender adjudication.

4.6.6. Subcontract conditions and implications when awarded.

4.7. Adjudication

4.7.1. Contractor to receive all tenders at a specific location, in sealed tender submissions, placed in a tender box provided by the Contractor prior to the closing date and time. Late tenders will not be considered.

- 4.7.2. Contractor to maintain a tender submission register, recording tender receipt.
- 4.7.3. Tenders to be evaluated by the Contractor in terms of the tender conditions and submit a draft tender evaluation to the PA within 5 working days of the closing of tenders.
- 4.7.4. The PA will have the right to
 - 4.7.4.1. Interview the tenderer
 - 4.7.4.2. Clarify any aspect of the tender
 - 4.7.4.3. Verify the eligibility of the tenderer
 - 4.7.4.4. Conduct a rate analysis to clarify rates and prices.
- 4.7.5. The Contractor shall provide reasonable opportunity to tenderers, to correct patent errors, without altering the total tendered sum.
- 4.8. Award of tender

The Contractor shall

 - 4.8.1. Notify unsuccessful tenderers
 - 4.8.2. Award/ appoint the SMME subcontractor
 - 4.8.3. Compile and sign the SMME subcontract agreements.
 - 4.8.4. Supply a Fully Compliance Safety File for Works
 - 4.8.4.1. Only on Approval of Safety File may works commence.
 - 4.8.4.1.1. Each Employee to have medical in place.
 - 4.8.4.1.2. Supply of PPE
- 5. Construction and close out
 - 5.1. The Contractor to ensure that his construction programme takes cognizance of SMME packages including their mentoring and training requirements.
 - 5.2. The Contractor is to assist SMME subcontractors but not limited to, to the following:
 - 5.2.1. Compilation and maintenance of the Occupational Health, Safety and Environmental File and compliance with Construction Regulations by a Part Time CHS Officer (CHSO) registered with the South African Council for the Project Management Professions.
 - 5.2.2. Setting up and Maintaining Cash Flow, Construction Programme and Method Statement.
 - 5.2.3. Setting up and Maintaining Quality Management Plan and Risk Register.
 - 5.2.4. Basic Conditions of Contract of the relevant contract and setting up short term contracts for labour as per the main contract.
 - 5.2.5. Balancing of Bill of Quantities, Financial Control and Management.
 - 5.2.6. Technical Training.
 - 5.2.7. Methods of Measuring Resource Productivity.
 - 5.2.8. Measurement of Work Done, Interim Payment Certificate and Compilation.
 - 5.2.9. Dispute Avoidance and Resolution Procedures.
 - 5.3. The Contractor shall on a fulltime basis closely mentor, manage and supervise all SMMEs subcontractors and shall manage, guide and assist each SMME subcontractor in all aspects of management, execution and completion of its subcontract. This shall typically include the on-site productivity planning and management of:
 - 5.3.1. Materials Management
 - 5.3.2. Cost Management
 - 5.3.3. Contract Management
 - 5.3.4. Health & Safety Management

- 5.3.5. Quality Management
- 5.3.6. Communication Management

Payment for such on-going assistance is to be included in the Preliminaries Section of the Bills of Quantities.

5.4. The Contractor shall manage all SMME's throughout the construction period and will assist in the compilation of the final account of each SMME package. Payment for such on-going assistance is to be included in the Preliminaries Section of the Bills of Quantities.

5.5. The Contractor shall, on completion of each and every subcontract completed in accordance with the provisions of this Specification, issue free of charge to the SMME within 7 days of the completion of the subcontract, a Certificate of Experience on a single A4 page stating:

- (i) Contract title;
- (ii) Contractor's full name and address;
- (iii) Principal agent's name and address;
- (iv) SMME subcontractors name and address;
- (v) Scope or extent of the subcontract works;
- (vi) Value of the SMME subcontract works;
- (vii) Applicable level of the SMME subcontract;
- (viii) Duration of the SMME subcontract;
- (ix) Date of completion of the SMME subcontract; and
- (x) Description of the training undergone by the SMME subcontractor;

5.6. No provision or requirement set out in this Specification shall be deemed to relieve the Contractor of any liability or obligation under the Contract between the DOH and the Contractor, and the Contractor shall be fully liable for the acts, defaults and neglects of any SMME subcontractors, his agents or employees, as fully as if they were the acts, defaults and neglects of the Contractor, his agents or employees.

5.7. The Contractor is not to permit SMME subcontractors to further subcontract on any other conditions than those applying in the project specification to subcontractors or SMME subcontractors.

5.8. The Tenderer is to price all associated administrative, supervision, mentoring costs, profit and attendance in the relevant sections of the Preliminaries as no claims for additional costs will be entertained.

5.9. These are monetary provisions only and the use, value and payment thereof are subject to adjustment based on actual costs through contractually approved variation orders calculated in terms of the prescribed contractual directives.

The SMME Packages involves the following works:

- Alterations
- Masonary
- Plasterwork
- Tiling
- External plumbing and drainage
- Electrical work

- Paintwork

Sequence of Works:

The sequence of works will be agreed between the facility, PA and contractor, and areas for minor maintenance will be decanted is required.

- **Trade Names:**
- Contractors are to familiarise themselves with the supplementary preambles in all instances contained within the BOQ document.
- Trade names for fixtures, fittings, finishes and other construction elements are specifically used because of the nature of the project.
- Proprietary items or materials where specified are to be brand specific or other approved. Approval may only be granted by the Principal Agent in writing.

C3.2 RESTRICTIONS AND CONSTRAINTS

- The completion of the project is urgent and work shall be executed during normal working hours i.e. 7h30 till 16h00 weekdays only. Work required to be executed outside of these hours must be arranged with the Facilities Manager of the Mortuary, in advance.
- Noise must be kept to a minimum and within acceptable levels at all times.
- All shut-offs and tie/cut-ins to existing services must be arranged in advance with the Facilities Manager and a methodology with appropriate mitigation of risks must be prepared by the contractor and submitted to the relevant Professional discipline in advance, for approval.
- Dust emanating from the work site must be controlled at all times.

C3.3 OPERATIONAL PROTOCOLS

- Security is a priority, and the site shall be kept safe at all times.
- The approved Health and Safety plan shall be adhered to at all times
- All staff members of the contractor shall wear PPE at all times
- All staff members of the contractor shall be specifically identifiable at all times and to this end shall wear a predetermined coloured overall to be able to enter and work on the site.
- Regular meetings, the frequency of which is to be determined, shall be held with the management of the hospital to always ensure a cohesive spirit of co-operation
- The successful contractor must take into account that other contractors may be busy with construction in close proximity to the works and allowance must be made in the contractor's submission to accommodate these parties.

C3.4 ACCESS AND SITE ESTABLISHMENT

- Access and Egress onto the site utilises the security access gate from Muti Road onto the SAPS precinct. The F.S.L. is located to the rear of the existing SAPS facility.
- Prospective bidders are to fully familiarize themselves with the site and access to the site and restricted area for site establishment.
- Prospective bidders are to familiarize themselves with the site as no additional costs shall be entertained.

- No Contractor's representatives or worker's are allowed to sleep on site at establishment.
- The Contractors are required to price for establishment, de-establishment and re-instatement in the Preliminaries section of the Bills of Quantities.

C3.4.1 Site Layout, contractors' access and site camp



	01 Contractors site establishment and lay down area
	02 New Brighton Forensic Pathology Lab: Construction Area
	Contractors access route

- Refer to MDA Architects detailed phasing, hoarding layout and control access diagrams, as listed in the contract drawings.
 - MDA 477(A6) PHASING DIAGRAM – 001
 - MDA 477(A6) PHASING DIAGRAM – 002
 - MDA 477(A6) PHASING DIAGRAM – 003
 - MDA 477(A6) PHASING DIAGRAM – 004

C3.5 ACCEPTANCE OF TENDERS

- The Employer is not bound to accept the lowest, or any tender, or any portion of any tender.

C3.6 MINIMUM WAGE

- The Contractor shall adhere to “The national minimum wage determined by the Minister in accordance with the National Minimum Wage Act (NMWA)”, and yearly pronounced increases for duration of contract.

C3.7 TEMPORARY WORKS

- All temporary work to comply with the Construction Health and safety Act (Act 85 of 1993) and its regulations.

C3.8 DESIGN DETAILS

- Refer to architectural and engineering detail design drawings.

C3.9 DESIGN BRIEF

N/A

C3.10 DRAWINGS

Site Plan	MDA 477(A6)-200
Floor Plan	MDA 477(A6)-201
Door & Window Schedule	MDA 477(A6)-202
Door Details	MDA 477(A6)-202a
Bump Rail Detail	MDA 477(A6)-203
Sections	MDA 477(A6)-204
Phase 01 – Phasing Diagram	MDA 477(A6)-Phasing Diagram - 001
Phase 02 – Phasing Diagram	MDA 477(A6)-Phasing Diagram - 002
Phase 03 – Phasing Diagram	MDA 477(A6)-Phasing Diagram - 003
Phase 04 – Phasing Diagram	MDA 477(A6)-Phasing Diagram - 004

C3.11 CIDB B.U.I.L.D SKILLS DEVELOPMENT

- The Contractor shall achieve in performance of the contract the Contract Skills Development Goal (CSDG) established in the CIDB Standard for Developing Skills Through Infrastructure Contracts published in Gazette Notice No 48491 of April 2023. The minimum CSDG factor applicable to this contract is 0.50 percent.

C3.12 CIDB B.U.I.L.D ENTERPRISE DEVELOPMENT CO-ORDINATOR

- The contractor shall appoint an Enterprise Development Co-ordinator who shall Develop a project specific Enterprise Development plan to improve the targeted enterprises performance in the

identified development areas and shall allocate resources to monitor progress in relation to improved performance; and

- Submit to the Employer's representative a monthly enterprise development report (Proforma - ED105P) which documents all mentoring activities that have taken place during the month and the progress made in improving the targeted enterprise's performance in the agreed developmental area, counter signed by the targeted enterprise. (Template forms are attached for reference as Annexure C)
- Details of competencies required are annexed as Annexure B.



C3.13 OHS SPECIFICATION

Occupational Health and Safety Specification

**Issued in terms of the Occupational Health and Safety Act, 1993
Construction regulations 2014**

PROJECT NAME	UPGRADE & ADDITIONS TO NEW BRIGHTON, FORENSIC PATHOLOGY LABORATORIES IN NELSON MANDELA BAY HEALTH DISTRICT
LOCATION	FORENSIC POLICE STATION DEPT OF HEALTH, 4 MATI ROAD, NEW BRIGHTON, 6200
DISTRICT	GQEBERHA
BID NO	SCMU3-23/24-0750-HO

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1 SCOPE

This health and safety specification in respect to the New Brighton, Forensic Pathology Laboratories in Nelson Mandela Bay Health District.

Provides the overarching framework within which the Principal Contractor is required to demonstrate compliance with certain requirements for occupational health and safety established by the Occupational Health and Safety Act 85 of 1993 during construction work;

DESCRIPTION OF THE WORKS:

1. General:

- The works are to be undertaken at the New Brighton Forensic Laboratory located at 7 Mati Road.
- The works are phased as the forensic laboratory is to remain fully operational during the construction period.

The works entail renovation and upgrade to the following:

Dissecting Area:

- Removal of existing dissection fittings, fixtures and equipment.
- Removal of, existing floor epoxy finishes, existing floor screeds and open channel drains.
- Remedial work to existing surface beds.
- Lay new screeds to fall and new high specification epoxy floor finishes by specialist contractor and installation of new stainless steel floor drains and associated plumbing.
- Remove existing wall tiles and install new tiled surfaces
- Remedial work and repainting to underside of concrete ceilings
- Repairs and remedial work and painting to walls
- Remove mild steel frame windows and replace with aluminium frame windows, inclusive of remedial works to plaster surrounds.
- All plumbing, drainage and ventilation services upgrade.
- Installation of new dissection equipment by specialist suppliers.

Existing X-Ray Room

- Remedial work and new internal brickwork to convert existing X Ray room to a dissecting facility.
- Floor screed and floor drains: Removal of, existing floor epoxy finishes, existing floor screeds and open channel drains.
- Remove and handover of redundant X-Ray equipment to client.
- Lay new screeds to fall and new high specification epoxy floor finishes by specialist contractor and installation of new stainless steel floor drains and associated plumbing.
- Repairs and remedial work and painting to walls
- Remedial work and repainting to underside of concrete ceilings
- Remove mild steel frame windows and replace with aluminium frame windows, inclusive of remedial works to plaster surrounds.
- All plumbing, drainage and ventilation services upgraded.
- Complete conversion of space to a dissecting facility.
- Installation of new dissection equipment by specialist suppliers.

Body Reception:

- Remove existing floor tiles.
- Remove existing floor screeds and drains.
- Remedial work to existing surface bed.
- Install new floor screed.

- Install new stainless floor drains and associated plumbing.
- Install new high specification epoxy floor finish by specialist applicator.
- Repairs and remedial work to plastered walls and ceiling.
- New paintwork (professional hygiene anti-microbial paint) to walls and underside of concrete ceiling.
- Replace external roller sliding door.
- Replace internal sliding door.

5X Cold Rooms:

- Cold room refrigeration panels will remain in place and the onus is on the contractor to ensure that refrigeration panels are adequately protected during the renovation stages.
- Remove existing screeds and floor finish in a phased sequence (to be agreed with FSL management).
- Install new stainless steel floor drains.
- Install new screed to fall.
- Install new high specification epoxy floor finish by specialist applicator.
- Remedial work to existing refrigeration panels and sliding doors.

6X Offices and Boardroom:

- Install new split unit conditioners as per mechanical engineers specification, inclusive of builders work.

Archive / Filing Room:

- Remove and dispose of existing redundant incinerator.
- Make good roof and leaks.
- Install new suspended 600x600 ceiling.
- Remove external double door and brick up opening.
- Create new internal door access to passage.
- Install new floor screed to match adjacent floor level.
- Install new porcelain floor tiles to match existing.
- Remedial plasterwork.
- Repaint internal brickwork.
- New archive shelving.
- New light fittings.

Convert Kitchen to Server Room:

- Fit security bars externally at window.
- Remove serving hatch and counter and brick up opening.
- Reconfigure existing cupboards / joinery.
- Remove sink top and blank off plumbing. Install new post form top.
- Install new split unit conditioners as per mechanical engineers specification.

Convert Laundry New Forensic Exhibit:

- Fit security bars externally at window.
- Fit security gate internally at existing door .
- Fit new security screen in ceiling void.
- Install new split unit conditioners as per mechanical engineers specification, inclusive of builders work.

External Works:

- Extension to existing sewer reticulation
- New external gulleys and new related sewer infrastructure and manholes.
- Review of storm water management.

2. Sectional Completion, Decanting and Phasing

- The works will comprise of 4 sections for sectional completion.
- The first three (3) sub sections will embrace works in the dissection area. The fourth (4) sub section embraces works in the offices and staff area.
- Each section will be vacated to allow full access to the contractor.
- There will a requirement to allow the Forensic Services Laboratory limited access into existing cold rooms in areas where the contractor has been granted access.
- Strict programming of the works and proper construction management will ensure the timeous completion of each section.
- A temporary “decant” cold room is to be provided in the existing carport to allow for a managed and phased upgrade of the 5x existing cold rooms.

• **Sectional completions are summarised as follows:**

Sectional Completion No. 1:

- Conversion of existing X-Ray room to a Dissecting Facility.
- Commence external site works.
- Construction period : 3 months
- Sectional completion and handover : 1 week

• **Sectional Completion No. 2:**

- Renovation / rehabilitation and upgrade of 3x cold rooms and compressor area.
- Conversion of existing “dead” space to a dissecting facility.
- Complete external site works.
- Construction period : 3 months
- Sectional completion and handover : 1 week

• **Sectional Completion No. 3:**

- Renovation / rehabilitation and upgrade of 2x cold rooms, body reception, 2x offices, viewing rooms and 2x existing dissection stations.
- Construction period : 5 months
- Sectional completion and handover : 1 week

• **Sectional Completion No. 4:**

- Conversion of existing incinerator to archive.
- Install air-conditioning to 6 offices , server room, Forensic Exhibits store and board room.
- Convert existing kitchen to server room.
- Convert existing laundry to new Forensic Exhibit store.
- Reconfigure entrance waiting area and reception.
- Construction period : 2 months
- Sectional completion and handover : 1 week

Mechanical work and Electrical work to be phased to suite sectional completions as listed.

3. Electrical:

- The replacement of the distribution board in the dissecting area
- New power and lights in the dissecting area, with a new supply to the X ray room
- New electronic installation, including intruder alarm, CCTV and access control.

4. Mechanical:

- Installation of new ventilation system at dissecting area
- Installation of mechanical fans to supply fresh air in air conditioned spaces
- Installation of fire signage, key boxes, servicing of fire fighting equipment

- Installation of new AC units and equipment to existing offices and existing boardroom.
 - Establishes the way the Principal Contractor is to manage the risk of health and safety incidents during construction; and
 - Establishes the way the Client's Health and Safety Agent will interact with the Principal Contractor.

This specification establishes general requirements to enable the Principal Contractor to satisfy aspects of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Construction Regulations, 2014. The Principal Contractor is required to develop, implement and maintain a site-specific health and safety plan. The Client is required to provide certain site-specific information to the Principal Contractor or a health and safety specification for the works to enable such a plan to be formulated. Accordingly, this specification on its own cannot ensure compliance with the requirements of the Act.

The Construction Regulations, 2014, requires a Client to stop any contractor from executing construction work which is not in accordance with the contractor's health and safety plan for the site or which poses to be a threat to the health and safety of persons.

2 DEFINITIONS

As per the Occupational Health and Safety Act (85 of 1993) and the relevant regulations and applicable standards.

2.1 List of Abbreviations

AIA	Authorized Independent Authority
CC	Compensation Commissioner
CHSA	Construction Health and Safety Agent
CHSO	Construction Health and Safety Officer
CR	Construction Regulations (Gazette 10113 of 07/02/2014)
DoL	Department of Labour
GAR	General Administration Regulations
GSR	General Safety Regulations
HCSR	Hazardous Chemical Substances Regulations
HIRA	Hazard Identification Risk Assessment
H&S	Health and Safety
OHSA	Occupational Health and Safety Act No. 85 of 1993 (as amended)
OHSS	Occupational Health and Safety Specification
PA	Principal Agent
PSHSS	Project Specific Health and Safety Specification
PC	Principal Contractor
PPE	Personal Protective Equipment
SANS	South African National Standards (Authority)
SDS	Safety Data Sheet
SWP	Safe Work Procedure

2.2 Key References

Occupational Health and Safety Act No. 85 of 1993 and Regulations (as amended)

Construction Regulations 2014.

Compensation for Injury and Occupational Diseases Act No. 100 of 1993 (as amended).

SANS codes.

South African Road Traffic Signs Manual (SARTSM)

3 INTERPRETATION

The Act and its associated regulations shall have precedence in the interpretation of any ambiguity or inconsistency between it and this specification.

3.1 Purpose of the Project Specific Health and Safety Specification (PSHSS)

The PSHSS is a performance specification to ensure that the Client and any bodies that enter into formal agreements with the Client / Agents, Professional Service Consultants (Engineers, Quantity Surveyors and Architects), Principal Contractors and Contractors achieve an acceptable level of OHS performance.

No advice, approval of any document required by the PSHSS, such as hazard identification and risk assessments, or any other form of communication from the Client shall be construed as acceptance by the Client of any obligation that absolves the Principal Contractor from achieving the required level of performance and compliance with legal requirements. Furthermore, there is no acceptance of liability by the Client, which may result from the Principal Contractor failing to comply with the PSHSS, i.e. the Principal Contractor remains responsible for achieving the required performance levels.

A Mandatory Agreement in terms of Section 37.2 of the OHSA will be signed between parties prior to any works commencing. The PSHSS highlights the aspects to be implemented over and above the minimum requirements of current legislation. Requirements may be changed should new risks or issues are identified that could not have been foreseen during the design phase of the project, or during the construction phase. Any new legislation or standards (legislated or determined by the Client) that are promulgated or accepted during the contract will automatically be applied.

It should be noted that this OHSS in no way relieves the Contractor of any of his responsibilities set out in the Act and Regulations

3.2 Requirements

A project specific H&S Plan in response to this PSHSS will be subject to approval by the CHS Agent. This must include all supporting documentation as required to verify the H&S system:

4 GENERAL REQUIREMENTS

4.1 Risks

Principal Contractor to provide a detailed risk assessment for the entire works on site.

Significant health and safety hazards identified by Client, Designer and Safety Agent:

- a) Biological hazards- Working within an operational hospital (Corpse).
- b) Lifting Equipment
- c) Fire
- d) Flammable Liquids / Gas
- e) Hazardous Chemical Substances
- f) Hot Works
- g) Slips due to wet floors.
- h) Dust
- i) Noise
- j) Ergonomic hazards
- k) Environmental hazards
- l) Falls from heights.

4.2 Working at Height Specified Hazardous Chemical Substances

The PC is to supply the products required as per the bill of quantities-, safety data sheets (SDSs) for each of the product envisaged to be utilized on site. The South African SDS to be provided.

5 OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

Please check tender document for detailed scope of works.

5.1 CONSTRUCTION WORK PERMIT

The below is to be supplied Two (2) Safety Files to OHS Consultant for one for the preparation of Construction Work Permit, the other for site:

1. Appointment letter of Principal Contractor
2. Approved SHEQ BOQ- (priced)
3. Signed mandatory agreement (Sec 37,2 & 5.1(k))
4. Site organogram
5. Submitted Health and Safety Plan
6. Baseline Risk Assessment
7. Valid proof of letter of good standing
8. CIBD registration of Contractor
9. Profile of appointed Construction Manager in terms of CR 8(1):
 - a. Letter of appointment
 - b. CV
 - c. Certified copies of qualifications
 - d. Professional registration (if applicable)
10. Profile of appointed Health and safety Officer in terms of CR 8(5):
 - a. Letter of appointment

- b. CV
 - c. Certified copies of qualifications
 - d. Professional registration (if applicable)
11. Profile of appointed Health and Safety Manager in terms of CR 8:
- a. CV
 - b. Certified qualifications
 - c. Professional registration (if applicable)
 - d. Letter of appointment

The file must be submitted for approval to the OHS Consultant and issued to the Department of Labour before any construction work commences on site.

It should be noted that this OHSS in no way relieves the Contractor of any of his responsibilities set out in the Act and Regulations

5.3 Health and Safety Plan Framework

The H & S aspects related to the project outlined in the previous sections are to be taken into account when drawing up the H & S Plan. The PC is required to demonstrate competence by providing an H & S system that will address the requirements of the project.

The CHS Agent may from time-to-time request additions or systems as they relate to the works or legislative requirements at the time.

The PC is to prepare a site layout drawing to indicate at least the following:

- The positions of site offices of all Contractors, toilets, drinking water and worker rest areas;
- Indicate the positions of emergency personnel and equipment (fire, first aiders, first aid posts);
- Protection of plant and pedestrians, indicate parking, and
- Storage areas (materials and equipment, waste etc.)
- Access and egress to site for deliveries and intended temporary traffic management,
- Emergency assembly point

Such layouts are to be updated regularly throughout the project.

5.4 Appointment of Competent Site Personnel

The CEO (OHSA S16.1) of the PC will take overall responsibility for the appointment of competent site staff for the duration of the project. Should the CEO not be personally involved in the project, the H&S responsibilities are to be delegated to the Site Agent (OHSA 16.2). Knowledge and training in H&S is required, and certificates indicating H&S training as well as experience to be included in CVs.

All other legal appointments are to be made with relevance to the type of work required.

5.5 Construction Manager / Supervisors

Competent **FULL TIME** Construction Managers (CR 8.1) must be appointed to manage part or all the works and have training and/or experience in the area of responsibility. All site supervisors must show evidence of appropriate training in H & S, and an understanding or training in areas of responsibility (i.e., risk assessments, method statements etc.). Multiple competent Assistant Construction Managers (CR8.2) may be appointed where justified by the scope and complexity of the works.

Curriculum Vitae (CVs) are to be submitted for approval by the Designer (PA) and/or Client. The Supervisor will be held responsible for the safety of working teams and subordinates, housekeeping and stacking and storage of materials. The Construction Supervisor must, as a minimum, have a supervision course as per Unit Standard 262845 (Civil Engineering), 119080 (Building Construction) and 262884 (Civil Engineering)

If the Construction Manager (CR8.1) changes throughout the project. The Principal Contractor must ensure to provide the proposed Construction Manager CV and certificates for approval and then update the Annexure 2 and ensure that the appointment letter as well as proof of competency is available in the Health and Safety File.

5.6 **Construction health and safety officer**

Competent registered **Full-Time** health and safety officer to be appointed for the duration of the project.

The CHSO must provide the SACPCMP valid registration certificate, CV and relevant certificates/qualifications. The officer will be required to compile a monthly report, see Annexure A.

Should any of the key personnel be replaced the principal contractor is required to submit the CV, applicant's competency certificates and a valid SACPCMP letter of good standing for approval by the Client or appointed Pr.CHSA at least two weeks before changes can be done.

5.7 **Health and Safety Representative**

Irrespective of the number of employees on site, the PC must appoint a **Full-time** health and safety representative, who at least has completed the necessary health and safety representative course.

The H&S representative will liaise and report to the **Full-time** health and safety officer.

This must be a competent Person **UNIT Standard U/s 259622 U/s 376981**.

Weekly Reports are required for this Project.

5.5 **Other Appointments**

Not limited too but other legal appointments must be done as per the OHS Act 85 of 1993 and related regulations.

6 **GENERAL RISK MANAGEMENT**

6.1 **Health Risks and Medical Surveillance**

All permanent workers (including those of Contractors) are required to be in possession of a medical certificate of fitness issued by a registered Occupational Medical Practitioner prior to commencing work. Medical surveillance will commence at pre-employment.

All workers (including Contractors) are required to be in possession of a medical certificate of fitness prior to commencing work.

Employees required to perform work at heights or from fall risk position must be medically fit to perform such work, such employee's medicals must specify "Fall Risk" or "Working at heights" in the exposure section of the annexure 3 template.

Annual medical surveillance is required (unless identified as being required more frequently), as well as an exit medical.

Arrangements for keeping medical records for the required time are to be noted.

It is preferable that the PC has a medical surveillance plan.

All employees exposed to body fluids during the course of their employment are required to be vaccinated for Hepatitis B prior to commencing works on site.

6.2 HAZARDOUS BIOLOGICAL AGENTS

"HBA" means a hazardous biological agent which may cause an infection, allergy or toxicity or otherwise create a risk to human health, subdivided into four groups:

- (a) Group 1 HBA, an HBA that is unlikely to cause human disease;
- (b) Group 2 HBA, an HBA that may cause human disease and be a hazard to exposed persons, which is unlikely to spread to the community and for which effective prophylaxis and treatment is usually available;
- (c) Group 3 HBA, an HBA that may cause severe human disease, which presents a serious hazard to exposed persons and which may present a risk of spreading to the community, but for which effective prophylaxis and treatment is available; and
- (d) Group 4 HBA, an HBA that cause severe human disease and is a serious hazard to exposed persons and which may present a high risk of spreading to the community, but for which no effective prophylaxis and treatment is available;

Regulations for Hazardous Biological Agents, 2022

HBA reg. 5 Duties of persons who might be exposed to HBAs

(please follow regulation requirements)

HBA reg. 6 Risk assessment for HBAs (please follow regulation requirements)

6.3 Noise and Dust Control and Risk

All plant from plant hire companies (suppliers) or that of the PC is to be compliant with the Noise Induced Hearing Loss Regulations. Plant identified that has not been tested and marked for noise emissions will result in having to be tested at the Contractors or PCs expense. Failure to do so within a reasonable time period will result in such plant being removed from site.

Audiometric testing of all workers is noted as required in the medical surveillance programme for all permanent workers prior to work commencing. All workers in identified noise areas will require testing if the noise levels are indicated on plant or through processes as greater than 85dB. Audiometry records are to be available in the H&S file.

Suitable SANS approved hearing protective equipment shall be issued and worn. Where several items of construction plant are in operation at or near to each other, the noise zone for the combined plant should be established and suitable hearing protective equipment used within this zone.

The PC must ensure to take note that the facility will be fully operational and take extra care and planning communicated to the Community Health Centre staff to ensure that noise and dust does not interfere with daily activities.

6.4 Emergency Procedures

An emergency plan and procedure that is appropriate to the risks is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow.

The emergency plan is to ensure the inclusion of local service providers where possible. Such arrangements should be made with these persons prior to the commencement of the project.

Local emergency telephone numbers must be displayed and made part of the emergency procedure.

The general principals of emergency management are to be applied as it applies to the hierarchy of control and management. The PC must consult with the Client in preparation of the emergency as buildings will be operational.

6.5 First Aiders and First Aid Equipment

At least 1 first aider will be trained to Level 3. First aiders shall be available and accessible on site always and be able to work as a team when responding to any emergency on the project.

Appropriately stocked first aid kits, at least to the requirements of the Annexure to the GAR, are to be available at all times to assure continual availability and access on site.

6.6 Fires and Emergency Management

Attention to emergency planning and procedures is very important. Requirement in terms of identified risks:

- Fire;
- Public Safety; (Staff of Facilities)
- Falls from heights,
- Demolition

The emergency plan is to ensure the inclusion of local service providers where possible. Such arrangements should be made with these persons prior to the commencement of the project; the emergency plan is to include the risks of fire on site and related to any specific activities.

Fire extinguishers will be appropriate for the risk and in sufficient numbers to deal with the type of fires that could occur. All mobile plants are to have appropriate, accessible fire extinguishers. Hot work permits are required for any such activities.

6.3.1 Incident Management and Compensation Claims

All incidents and accidents are to be investigated. All serious incidents involving any form of disabling injury or fatality are to be reported to the Client /CHS Agent immediately. This shall be confirmed in writing following the incident.

Any person who contracts an Occupational Disease will need to be reported to the Compensation Commissioner as an occupational disease where their work is to monitor and in contact with others. Such details are provided in the Compensation for Injuries and Diseases Act (COIDA).

Failure to comply with emergency provisions will be considered a serious offence, and the operation or project may be stopped if deemed inadequate for the work at the time of assessment or site inspection.

6.3.3 Personal Protective Equipment (PPE) and Clothing

The PC is to provide PPE to all employees free of charge.

The wearing of the identified SANS approved PPE at all times is non-negotiable.

- Hard Hats;
- Protective Footwear;
- Overalls that ensure worker visibility.
- Eye Protection (if required)
- Hearing Protection;
- Reflective Jackets (no bibs);
- **Respiratory protection (minimum of FFP2); A MUST**

- Safety Harnesses with Big Hooks; and
- Any other necessary PPE identified from SDS's and/or risk assessments.

6.7 Occupational Health and Safety Signage

On-site H&S signage is required. Signage shall be posted up at fixed or temporary working areas, or other potential risk areas/operations. These signs shall be in accordance with the requirements of the General Safety Regulations or SANS requirements as amended. Signage is to be noted on the site drawings indicating where fixed/temporary signage is required.

- 'hard hat area' or other PPE requirements noted;
- First aid box positions (including vehicles); and
- Fire extinguishers.
- Assembly Area
- Scaffold signage.
- Hoarding.
- Access for Staff
- Safe Walkway
- No Un-authorized entry.

Signs shall be posted at areas of work on site indicating that a construction site is being entered and that persons should take note of H&S requirements. The Principal Contractor must ensure that members of the that need to access the Mortuary will not be able to gain access to the construction area. It should be noted that the Mortuary will be fully operational, and the construction area should be properly and securely barricaded at all times.

6.8 Induction of Employees and Visitors, General H&S Training

A simple, formal induction program is to be prepared which is site specific. Inductions must be carried out for all workers and visitors (including Client) to the site.

DSTI training is required to ensure workers are familiar with the risks and H&S measures of the work or tasks to be done.

All employees required to be working at heights are to undergo working at height training before works may commence.

6.9 DECANTING

Decanting of patients and employee:

Care should be taken to ensure that construction activities is at all times being separated from employees as well as patients are reallocated specifically when Asbestos removal takes place.

No work should be conducted when employees are being decanted, all employees be removed from area before construction activities commences.

Once decanting is completed, area should be checked for safe for use and signed off by Construction Supervisor.

6.10 SITE ACCESS POINTS AND SECURITY CONTROL

Site access - Entry to site may only be through pre-arranged security-controlled access points.

Please view C3.4 Scope of works (item 7. Access & Site Establishment)

Contractor must detail how will members of public be prevented from accessing site (risk of cross contamination between persons working on site and members of public).

Provision of Visitors Book for signing in and out of site. Records of all personnel entering site and their contact details must be kept.

- The proposed mortuary and the proposed staff office confines will attract separate site entrances of which the main contractor will establish and ensure access control thereof.
- The main contractor will be required to demarcate and hoard off the work. Sectional Completion Plans X4 have been issued too.
- The main contractor is required to provide and secure a separate exclusive site own access, for the entire construction works. The main mortuary entrance is not to be used for any construction related business. It is recommended that the access be on the western boundary of the site adjacent to the dedicated contractor's site camp. (Not a measured item)
- The site access shall be contractor's responsibility. For main contractor, selected-, domestic-, SMME subcontractors, suppliers, visitors, etc.
- The Contractor shall provide and maintain an all-weather temporary graded surface from the site access (gate) for construction area and access to construction site offices.
 - A Traffic Management Plan is required for entry to site yard and in Mortuary Areas.
 - Access will only be allowed at designated public entrance for Public.

7 AUDITING

Frequency of external auditing by the CHS Agent or Client will be conducted every 30 Days to ensure that the contractors conform to the requirements of the Construction Regulations. The site will be inspected, and the documentation audited relative to the activities and H&S plan. The CHS Officer of the PC must accompany the Client, or the CHS Agent, on all audits and inspections.

The PC will ensure that all their Contractors are audited at a frequency determined by the CHS Agent. Audit frequency may be increased if Contractors are not performing adequately. Audit results will be acted upon, and non-conformances and penalties issued where deemed appropriate. The Client, Designer or CHS Agent may act or require further outcomes if non-compliances are noted, or unsafe acts are noted on site.

Internal audits are to include site conditions as well as ensuring H&S files are appropriate, and compliant. Comprehensive audit reports are to be made available, the format of the audit reports are to be acceptable by the CHS Agent.

The PC will be audited using a template as supplied in the tender document. The audit template will be adjusted from time to time relative to the activities on site. A similar process is to be used by the PC when auditing their Contractors on site. Compliance with legislative requirements and the systems provided by the PC to manage the H&S on site will be measured. Full compliance is required. Time limits for corrective actions will be set and must be adhered to.

COMMUNICATION ON SITE

All H&S communication during the project between the CHS Agent and the PC will be done in writing, including the issue and responses to non-conformances and H&S audit results.

Planning of works for Contractor and Forensic Department needs to be sequenced such that the operations of the FPL is not affected.

7 CARE OF WORKERS ON SITE (WELFARE)

Adequate toilets, clean, safe drinking water and decent shelter must be afforded workers at all times.

Toilets will be within reasonable distance of workers, or placed with each working team in safe manner, with reasonable privacy. Existing facilities may not be shared with existing users of the facility.

No substances containing Formaldehyde may be used in Chemical Toilets.

Ablution facilities are an essential facility that must be available for workers across a site.

Facilities are a high-risk area and increased cleaning regimes are required to be introduced.

Hand washing facilities must be provided with soap and hand drying facility.

Waste procedures to be clearly documented.

8 ENVIRONMENTAL MANAGEMENT

Care should be taken to ensure compliance with Environmental Regulations and NEM Act.

General and Medical Waste to be disposed as per waste management plan and disposal Certificate to be submitted to Client.

9 DISCIPLINE, ALCOHOL AND SUBSTANCE ABUSE

All employees (management included) are to follow instructions given in the interest of H&S. Disciplinary action is to be imposed on those who do not follow such instructions or company rules or policies.

No person can work or access site if under the influence of alcohol or other substances that could impact on their own or others safety.

10 WORKING AT HEIGHTS

A practical site-specific fall plan as per CR 10 needs to be compiled by a competent person as per unit standard 229994. It is envisaged that scaffolding may be utilized as well as ladders to gain access.

Scaffold erector and inspector to be appointed with competencies. All employees are to be declared medically fit by an occupational medical practitioner.

Approval of Fall Protection plan is required before works may commence.

No Homemade structures or ladders will be permitted on the project.

Trestle tables are not to be fully extended and must be fully boarded, no drums to be used.

Surroundings to be clear of rubble.

Fall protection, fall prevention, and fall rescue plans to be in place and communicated to site employees.

Ladders to be structurally sound and not broken and in accordance with GSR 13A.

Only competent persons may be allowed to work at heights.

Correct personal protective equipment to be used (safety harness and lanyard) and edge protection / lifelines to be used.

Anchor points to be in place and determined by an engineer. Anchor points must be pull tested prior to use.

GSR (6) 6. No employer shall require or permit any person to work in an elevated position and no person shall work in an elevated position, unless such work is performed safely from a ladder or

scaffolding, or from a position where such person has been made as safe as if they were working from scaffolding.

Construction regulation 10 of 2014 to be implemented when working at heights and to prevent any person from falling from heights.

Employees required to perform work at heights or from fall risk position must be medically fit to perform such work, such employee's medicals must specify "Fall Risk" or "Working at heights" in the exposure section of the annexure 3 template.

SCAFFOLDING

A contractor must appoint a competent person in writing who must ensure that all scaffolding work operations are carried out under his or her supervision and that all scaffold erectors, team leaders and inspectors are competent to carry out their work as per the SANS 10085 of 2004.

A contractor using access scaffolding must ensure that such scaffolding, when in use, complies with the safety standards incorporated for this purpose into these Regulations under section 44 of the Act and SANS 10085. Scaffold must be;

Level and balanced upon the correct footing such as base jacks, U-Jacks, and mobile wheels.

Have the correct Ledgers and bracing methods to secure the frames and Standards.

To be fully boarded with the correct edge protection on both the 0.500m and 1 meter height per working platforms.

Working platforms to be in accordance with the Tables 4 and 5 of the SANS 10085 for weight restrictions.

Have the correct access that is fitted within the scaffold and grants access to the working platforms and must be fitted with a trap door system.

Secured with fastening methods such Reveal and fixed ties according to table 7 of SANS 10085. Buttresses to be used when required.

Signage must be displayed to indicate if the scaffold is safe or unsafe to use.

LADDERS AND LADDER WORK

The Principal Contractor shall appoint a competent person in writing to inspect all ladders weekly and record such findings in a register.

Ladders are to extend one meter above a landing and must be secured at the top and have a secure, non-slip base.

All ladders that do not comply with Health and Safety standards are to be removed from the site immediately.

Electrical contractors to use Fiberglass ladder for non-conducting purposes.

11 DEMOLITION WORK

The Contractor must provide a Demolition Method statement for approval by the Architect. Dust control and noise reduction measures must be put in place before demolition starts.

All rubble and waste material must be removed from site asap and registers thereof kept. Proof of disposal of the demolished material must also be provided and kept on record.

DANGER TAPE OR CANDY TAPE IS NOT PERMITTED TO BE USED ON SITE AS A MEANS OF DEMARCATION!

Suitable material such a shutter board (long durability and dust reduction) adequately supported being able to withstand a normal person's weight and the elements (wind, rain) must be utilized as barricading. The PC must ensure that this is priced for in the BOQ.

12 HOARDING

Adequate hoarding to be done to reduce dust and noise and prevent public entrance to site. Security features must accompany the hoarding to maintain a secure environment for the existing occupants.

No Unauthorized person signage should be installed and various entrances.

13 SUB CONTRACTORS

The PC is to ensure that every sub-contractor will comply with the health and safety specifications. All subcontractor's health and safety file must be approved prior to any work commencing. Contractor and SMME's to be Audited by Principal contractor on monthly bases.

14 DELIVERY OF MATERIALS

The PC must reasonably manage all deliveries of material to site. Stacking and storage of materials to be properly coordinated.

The PC is to consider the neighbors and public in all its activities related to this construction work.

15 NON-CONFORMANCES

Should, at any time, the works, or part of the works, be stopped due to unsafe acts or non-compliance with the Clients OHS Spec or PC's H&S Plan; the PC shall have no claim for extension of time or any other compensation.

The following constitute examples of the types of non-conformances that will attract penalties:

Minor: Penalty: R50/count	Medium: Penalty: R500/count and a non-conformance	Severe Penalty: R5000/count, a non-conformance and/or activity stoppage
Non-use of PPE supplied	Toilets not supplied or regularly serviced; lack of drinking water	Contractors working without Health and Safety Plan approval
Non completion of registers for plant and equipment on site	Contractors not audited	Workers transported in contravention of the OHS plan or legal requirements
Lack of H&S signage at work areas	Working without training or the appropriate H&S method statements	Invalid Letters of Good Standing
Tools and equipment identified in poor condition during inspections	Legal non-conformances identified during the previous audit and not addressed within the agreed time frame	Non-compliance with traffic accommodation requirements: layout or physical conditions
	No monthly OHS report at site meeting to report on	Fall protection harness not tied off / not worn
	No certificates of fitness for workers as required	Any breach of legal requirements

16 HEALTH AND SAFETY FILE

The documentation submitted and approved following the awarding of the contract will be used to form the H&S file. The H&S file is required to be laid out in a logical manner, and documentation filed within the file is to be easily accessible.

The following completed information shall be included (but not be limited to) as part of the index:

- The Site-Specific Health and Safety Specification. (from Client)
- The H&S Plan and the approval by Client;
- Appointment by Client;
- Mandatory agreement with Client;
- Notification of Construction work permit and confirmation letter from DOL.
- H&S specifications issued;
- Record of Competencies (CVs) and appointments;
- Training Records;
- Method statements;
- Risk assessments;
- Safe work procedures;
- Emergency and injury management;
- Safety data sheets
- Medical surveillance records;
- Registers; and
- Employee records (who is on site)

ANNEXURE A
CONTRACTORS MONTHLY HEALTH AND SAFETY REPORT

(To be submitted by the end of the first week of each month and be available with each audit)

CONTRACT NUMBER:		PROJECT NAME:	CONTRACT DETAILS:
1	GENERAL ACTIVITIES FOR THE MONTH (detail each area of work)		
2	NUMBER OF WORKERS (permanent and local, contractors)		
3	TRAINING DONE (supplier, no of people, type)		
4	INCIDENTS / ACCIDENT (list number and details, attach reports)		
6	NON-CONFORMANCES (closed out or active)		
7	CONTRACTORS (list, approval status)		
8	AUDITS COMPLETED (internal and external)		
9	CRITICAL ISSUES		
10	GENERAL		

Health and Safety Officer: _____ Signature: _____

Date: _____

Construction Manager: _____ Signature: _____

Date: _____

ANNEXURE B – REQUIREMENTS FOR THE SAFETY PLAN ASSESSMENT

The Contractor must note that the information below is pertinent to the compilation of their safety plan response to this site-specific safety specification and it would be preferred if the Safety Plan is written in the order of the assessment documented below.

No	Item	Notes
1	Project Directory	Please state details of Project Client, Project Manager / Principal Agent, Safety Agent, Consulting Engineer, etc. (Name, address, contact details).
2	Contractors Directory	Please indicate if you will be using Contractors on this project, if yes, include their details, trade, and FEM details.
3	Other Parties Directory	Please indicate contact details for any services applicable (electricity, water, etc.) as well as Department of Labour and Emergency Services.
4	Project Safety Statement	The Project Safety Statement must be included in the Safety Plan.
5	Health and Safety standards for the project (OHS Act, construction regulations, basic conditions of employment, etc.)	Health and Safety standards must be included in the Safety Plan.
6	Project Particulars	Scope of works must be included in the Safety Plan. This is critical.
7	Existing environment – Structures and Surroundings, Services (Electrical, Water, Sewerage, etc.), Traffic Arrangements, Parking, Access to Site, Storage of Plant and Materials	Please include these items in the plan. The items must be Site Specific, the location of services and services that will be affected must be mentioned.
8	Management Structure for safety on the Project	A structured organogram with names of the responsible people must be included.
9	Appointed Persons, Supervision	The required appointments must be identified. A list of the appointed persons must be included in the Safety Plan.
10	Security Procedures	Please indicate if a security company will be appointed and include the contact information in the Safety Plan.
11	Registers list and inspection frequency	A list of the Inspection Registers that will be on file must be included in the Safety Plan.
12	Design Co-ordination	Please indicate your procedure for implementation of design changes by designer on the project, and the procedures for liaison and implementation of temporary works design on the project.
13	Contractor Co-ordination	Mention must be made of how Contractors will be coordinated on site to ensure that they work together and not adversely affected health and safety.

14	Housekeeping, stacking and storage	Housekeeping policies and procedures must be included in the Safety Plan.
15	Waste Disposal Arrangements	Waste disposal arrangements procedures must be included in the Safety Plan.
16	Noise and dust control	Please indicate if any noisy operations (more than 85 decibels) will be carried out and what measures will be used to reduce noise exposure to workforce.
17	Training Requirements	Training requirements must be identified and recorded.
18	Plant and Equipment	A list of plant and equipment to be used on site must be included in the Safety Plan.
19	Safety Monitoring Arrangements	The name, contact details and SACPCMP registration status of the Safety Officer must be included in the Safety Plan. State how often the Safety officer will be on site (note safety specification requirement in section 1.7).
20	Information for Contractors	State how information will be given to Contractors on site.
21	Consultation/communication arrangements with Employees	State how information will be given to employees e.g., notice board.
22	Selection of Contractors Procedures	Principal contractor must state what health and safety procedures they will use to assess the competence and resources of their contractors on site.
23	Activities with risk to Health and Safety (Risk Assessment)	A Baseline Risk Assessment must be included in the Safety Plan, it must address the Risks identified in the Safety Specification as well as the risk of any other hazards that the Principal Contractor is aware of that are relevant to the site.
24	Hazardous Substances	Must be listed in the Safety Plan and addressed in the Risk Assessment.
25	First Aid and Medical Procedures	Please indicate name of first aider, position of first aid box, location of nearest medical facility and emergency numbers.
26	Fire and Emergency Procedures	List of emergency telephone numbers must be drawn up and included in the Safety Plan. The position of Fire Extinguishers, Assembly Point location, fire drill frequencies, numbers of fire marshals, etc.
27	Accident and Incident Reporting and investigation	State the Accident and Incident Reporting and investigation procedures of your company.
28	Welfare and Site Facilities	Elaborate on toilets and eating areas, water provision, how will workers be protected during wet weather conditions etc.
29	Site Rules	The Site Rules must be included in the Safety Plan.
30	Personal Protective Equipment	The necessity must be identified by Risk Assessments.
31	Health & Safety File arrangements	Please indicate arrangements for the return of the Health and Safety File to the safety agent at the end of the project.

No	Item	Notes
32	Method Statements/Safe System of Works	A list of Method Statements/Safe System of Works must be included in Safety Plan for all High-risk activities
33	Permits and wayleaves	List of activities that Principal Contractor anticipates will require permits and wayleaves (including those stated in the safety specification) to be included.
34	Fall Prevention and Protection Plan and Fall Rescue Plan	A copy of the Fall Prevention and Protection Plan, fall rescue plan and fall risk assessment must be included in the Safety Plan.
35	Demolition method statement	A copy of the Demolition Method Statement must be included in the Safety Plan.
36	Confined spaces	The Principal Contractors' procedures for managing access, egress and work in confined spaces must be specified in the Safety Plan. Includes permit procedures, air monitoring, PPE, etc.
37	Safety Representatives and Safety Committees	When a project has more than 20 employees a designated employee must be chosen by the labourers to represent them. A safety committee must be established if 2 or more safety representatives are appointed. Please note Safety Specification requirements regarding this section (section 2.12).
38	Have the significant hazards from the safety specification been addressed?	See section 1.9 of the Specifications and ensure practical measures have been detailed in the safety plan.
39	Safety File - Safety Policies in File and Signed by 16(1) CEO.	Safety Policies must be signed and explained to employees.
40	Safety File - A copy of the valid Letter of Good standing from FEM / Workman's Compensation must be on file.	A copy of the valid Letter of Good standing from FEM / Workman's Compensation must be on file.
41	Safety File - Signed copy of the 37.2 Mandatary Agreement	A 37.2 Mandatary Agreement needs to be signed between the Client and the Principal Contractor.
42	Safety File - Appointment letter from Client (as well as 5.1.K)	The Client must appoint the Principal Contractor in writing.
43	Safety File – Notification / Permit	A copy of the Annexure 2 Notification (and proof of submission) to Department of Labour must be available. This can be in the form of a Department stamp, email, or copy of Construction Work Permit.

ANNEXURE C – LEGAL APPOINTMENTS

The contractor shall make the following appointments, as required:

Chief Executive Officer (OSH Act 16(1))
Contract Director/Manager (OSH Act 16(2))
Construction Manager (CR 8(1))
Construction Supervisor (CR 8(7))
Assistant Construction Supervisor (CR 8(8))
Construction Safety Officer (CR 8(5))
Safety Representative (where > 20 employees on site)
Temporary work Designer (CR 12(1))
Temporary work Supervisor (CR12(2))
Construction risk assessor (CR 9(1))
Excavation Supervisor (CR13(1)(a))
Demolition Supervisor (CR14(1))
Scaffold Supervisor (CR16(1))
Suspended Platform Supervisor (CR17(1))
Material Hoist Inspector (CR19(8)(a))
Material Hoist Operator (CR19(6))
Bulk Mixing Plant Supervisor (CR20(1))
Bulk Mixing Plant Operator (CR20(2))
Controller of Explosive Actuated Fastening Devices Nails, Cartridges or Studs Issue and Collection (CR21(2)(g)(1))
Construction Vehicle and Mobile Plant Operator (CR23(1)(d)(i))
Controller of Temporary Electrical Installations (CR24(c))
Stacking Supervisor (CR28(a))
Fire Extinguishing Equipment Inspector (CR29(h))
Fall Protection Plan Developer (CR 10(1)(a))
Incident Investigator (OSH Act 9(2))



C3.12 BASELINE RISK ASSESSMENT



CONSTRUCTION BASELINE RISK ASSESSMENT
UPGRADE & ADDITIONS TO NEW BRIGHTON, FORENSIC PATHOLOGY LABORATORIES IN NELSON MANDELA BAY
HEALTH DISTRICT IN NELSON MANDELA METRO

Risk Rating multiplier: Low = 1; Medium = 2; High = 3

low	med	high
1	4	12
2	6	18
3	8	27

The base line risk assessment is to highlight hazards emanating from project risks identified.

Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category

Site Establishment

		Use of Plant and Machinery Graders / TLB,s / Excavators / DumpTrucks.	Plant and Machinery may injure persons on site	All operators of Plant and Machinery to be trained and have valid operator's certificates	1	3	3	9
		Container/ Pre Fab Placement	Falling over or incorrect load	Load Test Certificates Method Statement Correct Site Lay Out(Approved By Clients Agent)	1	3	3	9
		Fencing of site/ Access control	Working off ladders or using incorrect tools for the job	All ladders and tools for the job to be fit for purpose All work to be under the supervision of a trained and experienced person.Access for authorised persons only	1	2	3	6



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The base line risk assessment is to highlight hazards emanating from project risks identified.

Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category
		Security	Theft	Contractors and professionals doing construction activities should have own security on site. Contractors to ensure that materials and items of value are stored correctly.	1	2	3	6
RTA		SANRAL / Municipality	Traffic Accommodation issues	Additional access for construction and permanent entrances	2	2	3	12
		Existing Services	Contact with underground and overhead services	Underground & Overhead Services: Electrical/ water/ telephone / sewer lines to be identified	2	2	3	12
		Medical Inoculations	Vaccination to all staff on site	Employees will be treated with up to-date vaccinations for Tetanus and Diphtheria and vaccinations to prevent Hepatitis A and Typhoid.	2	2	3	12



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					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category

GENERAL LABAROTARY & PATHOLOGY

CR 10		Access	Injury to person's / employees /personnel/ consultants/patients	Separate general public from construction site.Extra care to be taken to ensure the public and personnel do not gain access to the construction activities as well as early works. Contractors Main Gate: proper control as not to block traffic.	2	2	3	12
		Ergonomics	Ensure correct person for the correct Job	Ergonomic studiers and risk assesemnt to be completed for all staff working on contrcutiion site	2	2	3	12
		Exposure noise	Interruption to existing activities	Control should be taken to ensure to bear in mind exposure to general patient wards. Extra special care and planning and communication between the contractor and mortuary staff where working in close vicinity to consulting rooms.A solid hoarding structure to be above ceiling height to be considered.	2	2	2	8



**CONSTRUCTION BASELINE RISK ASSESSMENT
UPGRADE & ADDITIONS TO NEW BRIGHTON, FORENSIC PATHOLOGY LABORATORIES IN NELSON MANDELA BAY
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Risk Rating multiplier: Low = 1; Medium = 2; High = 3

low	med	high
1	4	12
2	6	18
3	8	27

The base line risk assessment is to highlight hazards emanating from project risks identified.

Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category
		Exposure to dust	Interruption to existing mortuary activities	Control should be taken to ensure to bear in mind exposure to general working area. Extra special care and planning and communication between the contractor and mortuary staff where working in close vicinity to general working areas. A solid hoarding structure to be above ceiling height to be considered.	2	2	2	8



**CONSTRUCTION BASELINE RISK ASSESSMENT
UPGRADE & ADDITIONS TO NEW BRIGHTON, FORENSIC PATHOLOGY LABORATORIES IN NELSON MANDELA BAY
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low	med	high
1	4	12
2	6	18
3	8	27

The base line risk assessment is to highlight hazards emanating from project risks identified.

Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category
	General	Waste Management	Daily waste from contractor / professionals / specialists cross contaminated with mortuary waste.	Normal waste from all the appointed contractor / professionals / specialists should have separate controlled waste areas. To ensure no cross contamination with the existing mortuary waste management systems. Waste to be managed as per waste management plan. Disposal to be done at an approved landfill site and disposal certificates be kept on site.	2	2	2	8
		Working and Heights	Fall from heights / tools and equipment falling / struck by	A full OHS Specification and Baseline Risk assessment will be done by Safe Working Practice and should be issued to the contractor on tendering phase.	3	3	3	27
GSR 13A		Contact with Biohazardous Waste	contractor / professionals / specialists coming into contact with medical biohazardous waste from the mortuary	Training to be done to all site staff on proper management of waste. Anyone coming into contact with biological waste to be referred to a health facility for further management.	2	2	2	8



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UPGRADE & ADDITIONS TO NEW BRIGHTON, FORENSIC PATHOLOGY LABORATORIES IN NELSON MANDELA BAY
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The base line risk assessment is to highlight hazards emanating from project risks identified.

Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category
		Barricading / Demarcating / Hoarding	Interaction with existing mortuary activities / personell and general public	Control should be taken to ensure that construction activities is at all times being seperated from day to day mortuary activities / staff / corpse / general public as well as mortuary storage facilities. A solid hoarding structure to be above ceiling height to be considered. Clear demarcation of construction areas from the mortuary. Safety signage to be placed at all the construction areas.	3	3	3	27
GSR 13A		Security	Theft	Contractors and professionals doing construction activities should have own security on site. Contractors to ensure that materials and items of value are stored correctly as this can cause a security risk for the existing mortuary. (Security at every gate and access controlled(all should be manned)	1	1	2	2



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1	4	12
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The base line risk assessment is to highlight hazards emanating from project risks identified.

Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category
GSR 13A		Epidemic and Pandemic Control	Contact with airbourne and infectious diseases.	Control should be taken to ensure that construction activities is at all times being seperated from day to day mortuary activities / staff / corpse / general public. Employees to be trained on infection prevention and control. Those who came into contact with infections be refered to the health facility for further management.	1	1	3	3
GSR 13A		Medicine Access Control	Theft and substance abuse	Control should be taken to ensure that construction activities is at all times being seperated from day to day mortuary activities and deliveries and medical storage facilities.	2	3	3	18
GSR 13A		Infection Prevention	Jeopodising the sterility of the patients environment.	Control should be taken to ensure that construction activities is at all times being seperated from day to day mortuary activities / staff / patients.	2	3	3	18
GSR 13A		Fratenization	Harasmment of persons on mortuary property.	Extra Control should be taken to ensure that consultants / professionals / specialists / contractors are seperated from staff / patients / general public	1	2	3	6



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The base line risk assessment is to highlight hazards emanating from project risks identified.

Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category
ENVIRONMENTAL								
		Waste management	Serious injuries, smoke inhalation, damage to property, ground or water pollution, allergic reaction when in contact with hazardous waste,	Staff responsible for cleaning are to ensure that waste is disposed of in the correct manner at all times, and that all wheelie bins (dustbins) are fitted with liner bags. (Wheelie bin lids to be sanitized daily). Green Wheelie Bins - Domestic Waste Only RED Wheelie Bin - Contaminated PPE and materials Red Wheelie Bins - Hazardous Waste and materials All Wheelie Bins will be properly labelled to indicate the type of waste it is intended for. Full Liner bags are to be removed from the dustbins, and disposed of in the correct manner. Waste Disposal Certificates shall be obtained where required, and records kept on file. Waste Skips shall be made available on site. Waste to be disposed off as per waste management plan.	1	3	3	9
		Paint	Fumes	2X9kg Fire Extinguisher be on site when paint work starts. Supervisor ensure that all employees are wearing thier PPE	1	3	3	9
		Hyperthermia - Heat	Heat exhaustion. Heat stroke. Fatalities. Unconscious. Poor work performance	Health and Hygiene Survey, Risk Assessment, SOP, Awareness to all employees, Ensure there is enough cold water available for all employees. Provide shade for employees against sun	1	3	3	9



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The base line risk assessment is to highlight hazards emanating from project risks identified.

Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category
		Hypothermia - Cold	Frost bite. Ill health. Injuries. Fatalities. Unconscious. Poor work performance. Veld fires	Health and Hygiene Survey, Risk Assessment, SOP, Awareness to all employees, Ensure that employees are wearing the correct PPE. Provide protection to employees against extreme cold.	1	3	3	9
		Office activities and areas,	Trip and fall. Electrocution. Fires due to faulty electrical wires - property damage. Fatalities due to faulty electrical wires. Injuries due to injuries / pain / unsafe furniture. Head injuries due to falling objects from cupboards / heights	Monthly Electrical inspections by competent person. Good housekeeping. No unsafe furniture to be used. Communicate Emergency procedures. Implement good ergonomic suggestions from Surveyors, e.g.. Material handling, bending, sitting, working with computer, etc.. No unsafe stacking on cupboards allowed. Proper training on risk assessment and SOP. Do not work long hours without taking regular breaks.	1	1	2	2
DEMOLITIONS								
		Demolition	Fatal injuries due to uncontrolled collapse, dust inhalation, serious injuries	Constant supervision, competent operator, demolish according engineer instructions. PPE. Job Safety Analysis shall be conducted for all demolition work. Full time supervision by responsible supervisors.	3	2	3	18



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Reference	Area	Hazard	Risks identified at present	Control measures	Baseline risk			
					Likely consequence of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category
		Working and Heights	Fall from heights / tools and equipment falling / struck by	A full OHS Specification and Baseline Risk assessment will be done by Safe Working Practice and should be issued to the contractor on tendering phase.	3	3	3	27
		Exposure noise	Interruption to existing activities	Control should be taken to ensure to bear in mind exposure to general patient wards. Extra special care and planning and communication between the contractor and mortuary staff where working in close vicinity to Mortuary .A solid hoarding structure to be above ceiling height to be considered.	2	2	2	8
		Exposure to dust	Interruption to existing mortuary activities	Control should be taken to ensure to bear in mind exposure to general area. Extra special care and planning and communication between the contractor and mortuary staff where working in close vicinity to area. A solid hoarding structure to be above ceiling height to be considered.	2	2	2	8

C3.13 AREAS FOR SITE ESTABLISHMENT AND HOARDINGS



- 01 Contractors site establishment and lay down area
- 02 New Brighton Forensic Pathology Lab: Construction Area
- Contractors access route

PART C4 SITE INFORMATION

C4.1 SITE INFORMATION

Bid Description:	Upgrade & additions to New Brighton, Forensic Pathology Laboratories in Nelson Mandela Bay Health District
Project Number:	SCMU3-23/24-0750-HO

GENERAL

Prospective bidders to familiarize themselves with the locality, access, any other “restrictions” (Refer to Scope of Works C3)

New Brighton Forensic Pathology Laboratory

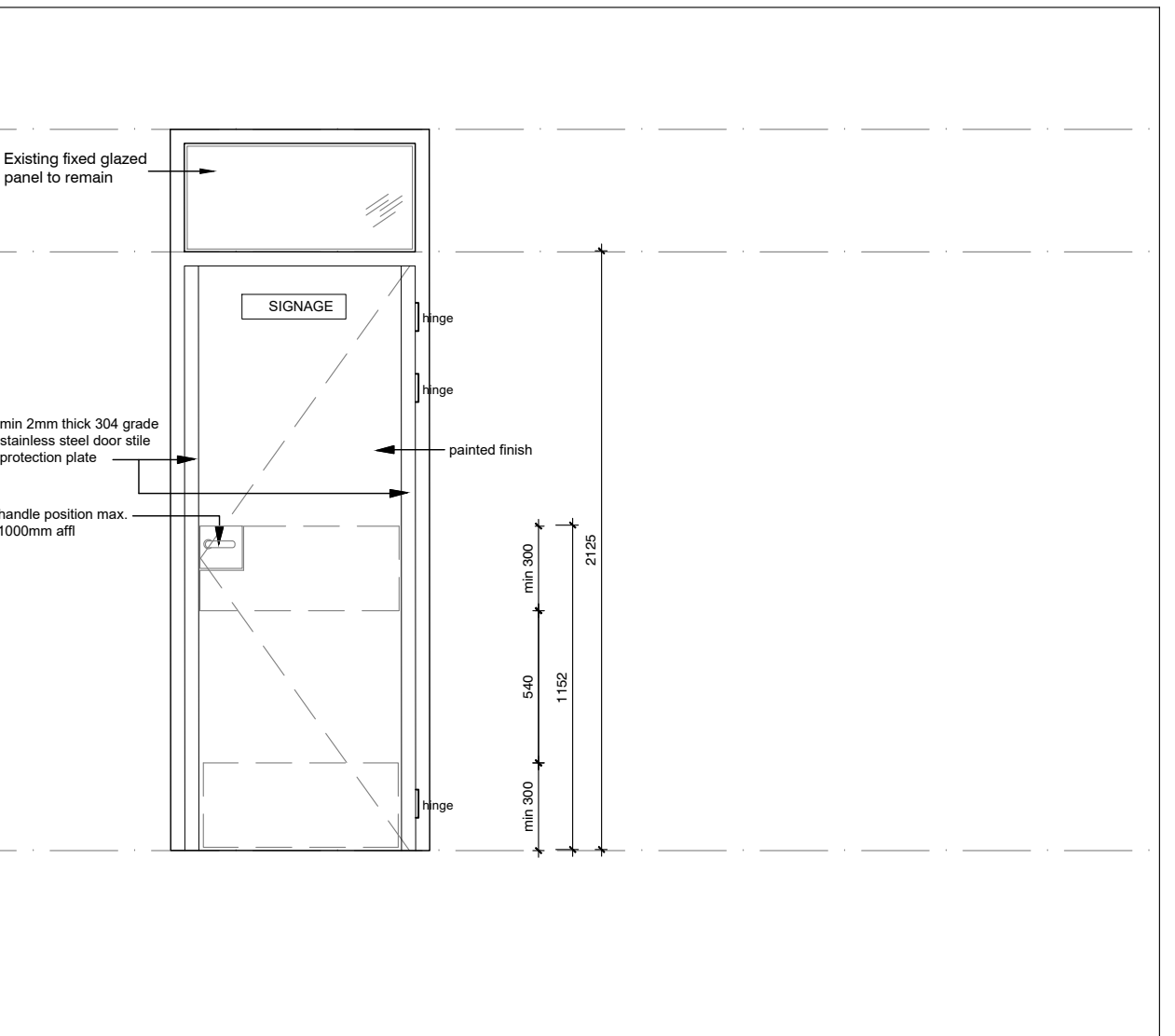
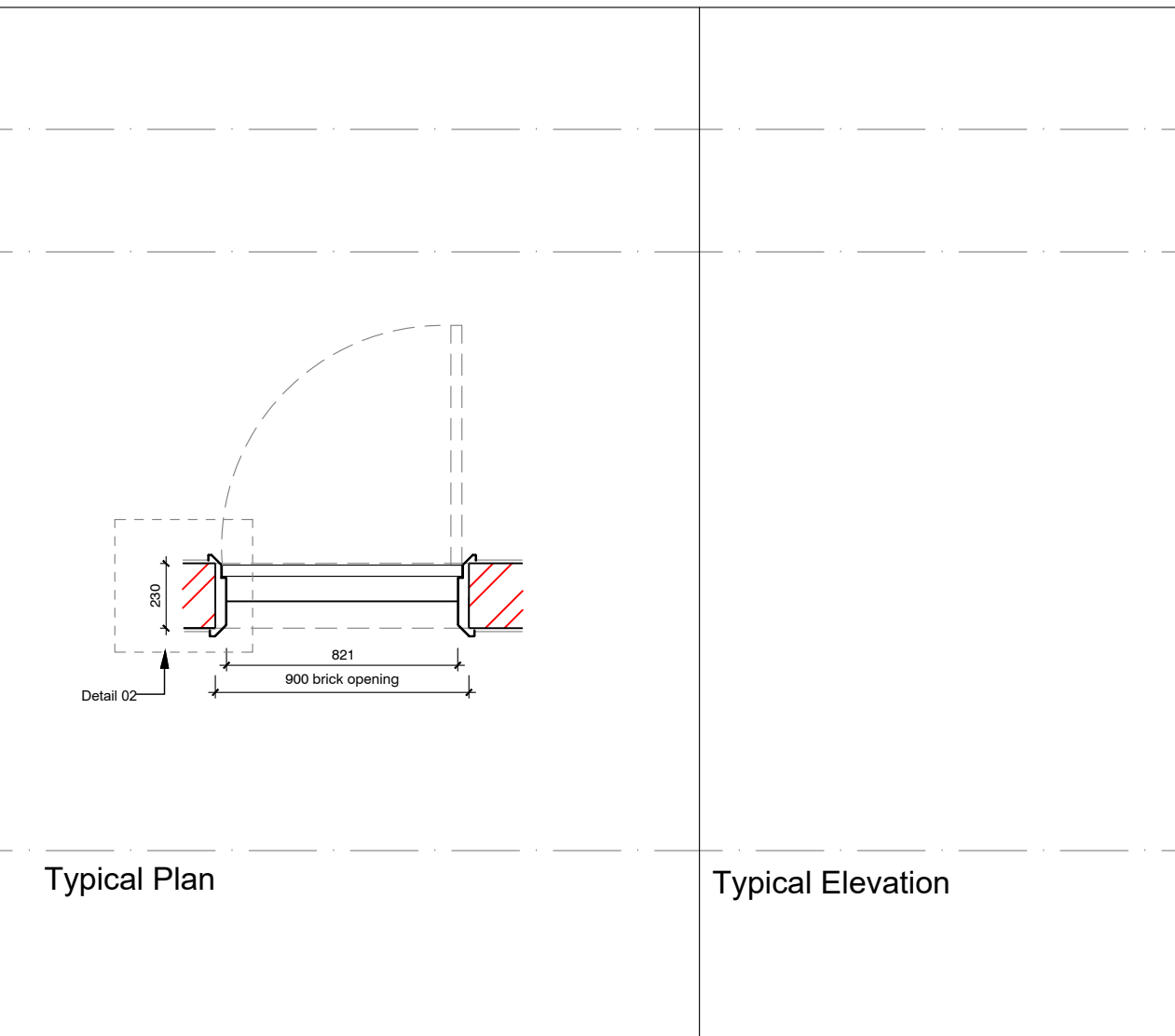
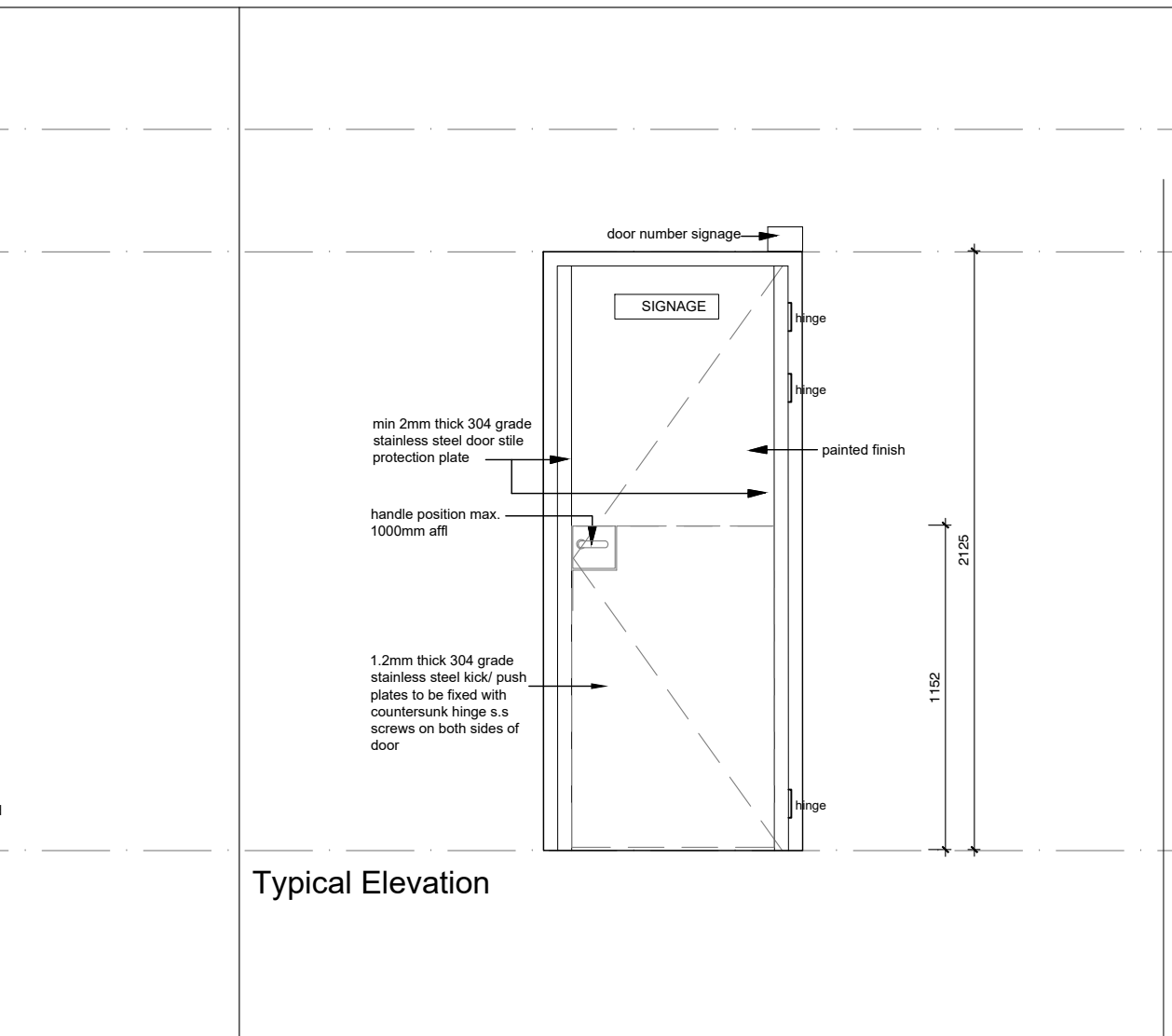
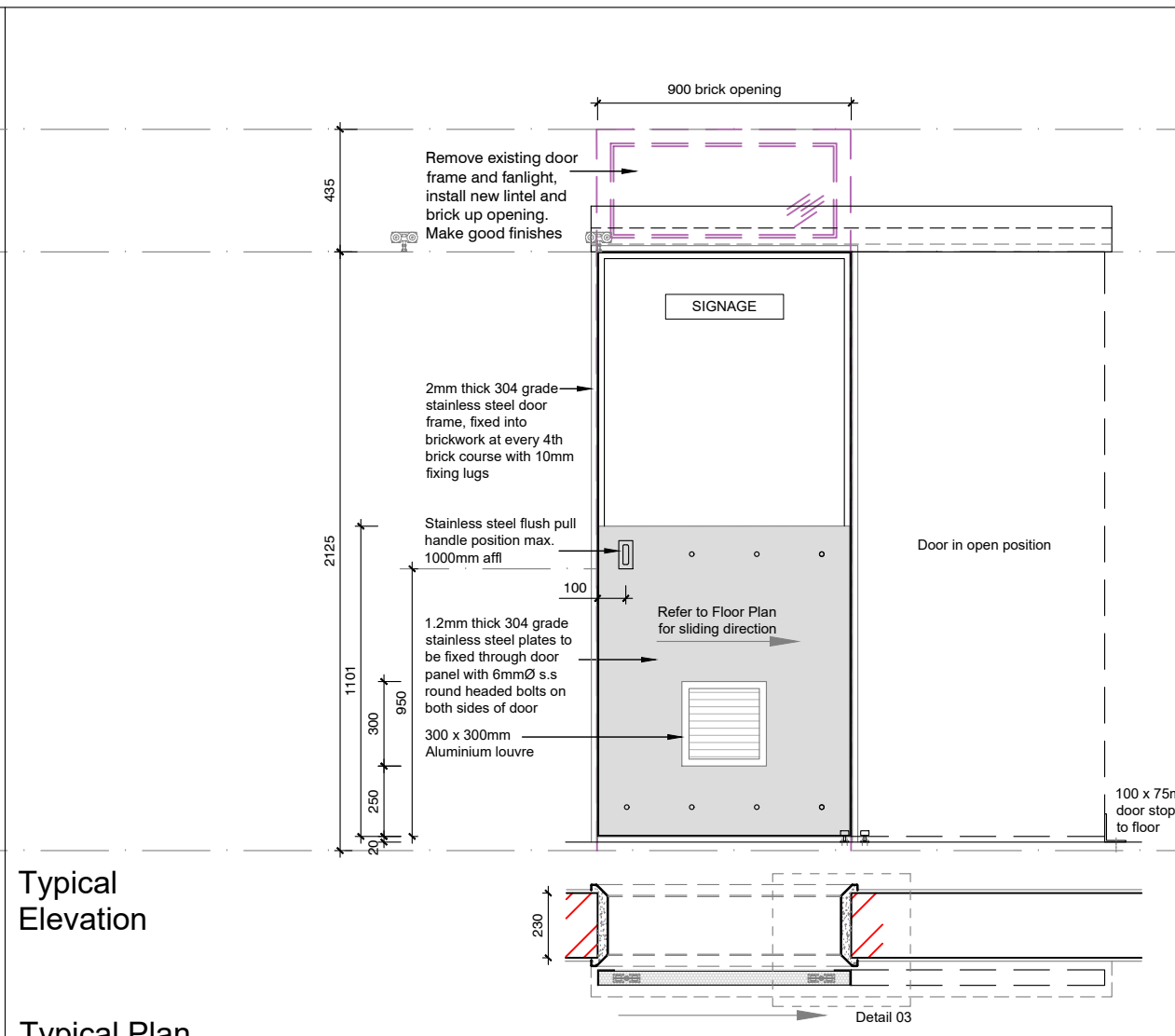
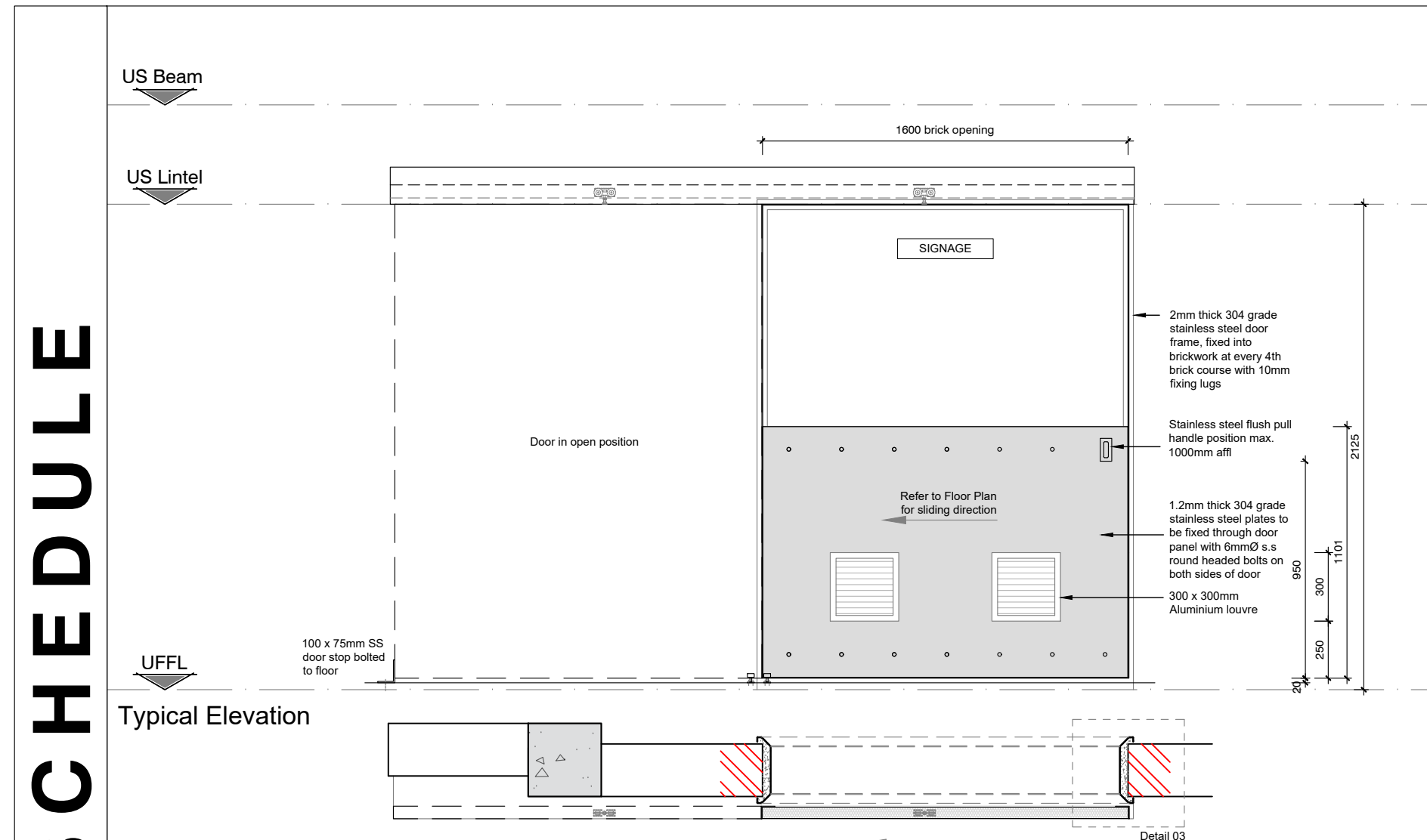
Address: 7 Mati Road New Brighton

Coordinate: 33°90'52.83"; 25°58'65.76"



ANNEXURE A – DRAWINGS

DOOR SCHEDULE



NOTE:
REFER TO
MDA477(A6) - 202a FOR
DOOR DETAILS

- General Notes:**
- All dimensions and levels are to be checked on site by the Contractor and discrepancies must be reported to the Architect before any work commences.
 - This drawing is to be read in conjunction with all other drawings including those of Consultants and/or Bills of Materials and/or specification issued for this project.
 - Scaled dimensions are not to be used for construction. Should there be any discrepancies or lack of dimensions the Architects are to be contacted for clarification.
 - Only drawings numbered 200 WD and upwards and showing the latest revisions are to be used for construction. All previously issued drawings are to be destroyed.
 - This drawing is only to be used for the project and site for which it was prepared.
 - No setting out is to commence before the positions of the boundary pegs on the site have been verified by a Land Surveyor.
 - Sever connection to comply with municipal regulations
 - The Architects reserve the copyright on this drawing.

QUANTITY	01	LOCATION
FRAME	<ul style="list-style-type: none"> 2mm thick 304 grade stainless steel pressed metal frame each frame style to have stainless steel fixing ties at every 3rd brick course stainless steel plate to be fixed with countersunk stainless steel screws and all screws / facings to be countersunk, filled and plugged Refer to detail drawing no 03 50mm Isovol Polyisocyanurate (PIR) Cor Panel white pre-painted chromadek outer skin both sides 20x20x1.2mm stainless steel angle trim at exposed edges 	<ul style="list-style-type: none"> Dissecting Room 01
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Viewing Room 01 Viewing Room 02
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick/ Push Plate: Height for kick/ push plate to be 1150mm. 1.2mm thick 304 grade stainless steel plate. Plate to be fixed through door panel with 6mmID s.s. round headed bolts on both sides of door at min 100mm c.c 	<ul style="list-style-type: none"> TYPE DA
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Doors to have opening to receive two 300 x 300 double sided aluminium louvre, powder coat finish. Refer to Ironmongery Schedule 	<ul style="list-style-type: none"> Not applicable

QUANTITY	02	LOCATION
FRAME	<ul style="list-style-type: none"> 2mm thick 304 grade stainless steel pressed metal frame each frame style to have stainless steel fixing ties at every 3rd brick course stainless steel plate to be fixed with countersunk stainless steel screws and all screws / facings to be countersunk, filled and plugged Refer to detail drawing no 03 50mm Isovol Polyisocyanurate (PIR) Cor Panel white pre-painted chromadek outer skin both sides 20x20x1.2mm stainless steel angle trim at exposed edges 	<ul style="list-style-type: none"> Dissecting Room 01
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Viewing Room 01 Viewing Room 02
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick/ Push Plate: Height for kick/ push plate to be 1150mm. 1.2mm thick 304 grade stainless steel plate. Plate to be fixed through door panel with 6mmID s.s. round headed bolts on both sides of door at min 100mm c.c 	<ul style="list-style-type: none"> TYPE DB
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Doors to have opening to receive two 300 x 300 double sided aluminium louvre, powder coat finish. Refer to Ironmongery Schedule 	<ul style="list-style-type: none"> Not applicable

QUANTITY	03	LOCATION
FRAME	<ul style="list-style-type: none"> 2mm thick 304 grade stainless steel pressed metal frame with cut out to allow for welding of 3mm stainless steel hinges each frame style to have stainless steel fixing ties at every 3rd brick course stainless steel plate to be fixed with countersunk stainless steel screws and all screws / facings to be countersunk, filled and plugged 	<ul style="list-style-type: none"> Dissecting Room 01
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Viewing Room 01 Viewing Room 02
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick/ Push Plate: Height for kick/ push plate to be 1150mm. 1.2mm thick 304 grade stainless steel plate. Plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Door Site Protection: all door stile edges to be clad with minimum 1.2mm thick 304 grade stainless steel plates over full height of door. Stainless steel plate to be fixed with countersunk stainless screws at min. 200mm c.c 	<ul style="list-style-type: none"> TYPE DC
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Refer to signage schedule MDA 477 c ... 	<ul style="list-style-type: none"> Not applicable

QUANTITY	02	LOCATION
FRAME	<ul style="list-style-type: none"> Existing pressed metal frame to be retained Surface to be prepared to receive new painted finish 	<ul style="list-style-type: none"> Dissecting Room 01
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Viewing Room 01 Viewing Room 02
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick Plate: Height for kick plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Kick plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Push Plate: Height for push plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Push plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Door Site Protection: all door stile edges to be clad with minimum 1.2mm thick 304 grade stainless steel plates over full height of door. Stainless steel plate to be fixed with countersunk stainless screws at min. 200mm c.c 	<ul style="list-style-type: none"> TYPE DD
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Refer to signage schedule MDA 477 c ... 	<ul style="list-style-type: none"> Not applicable

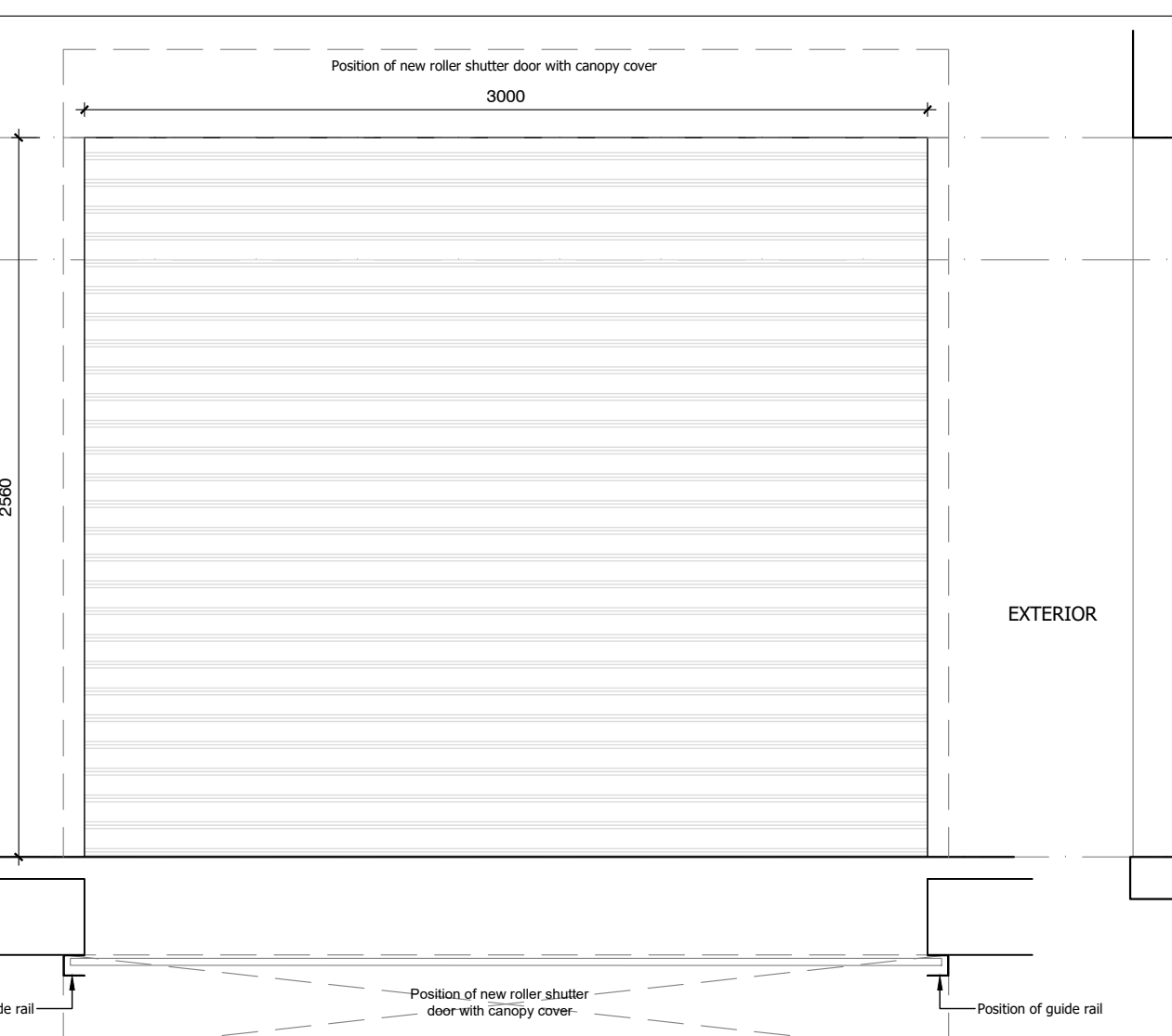
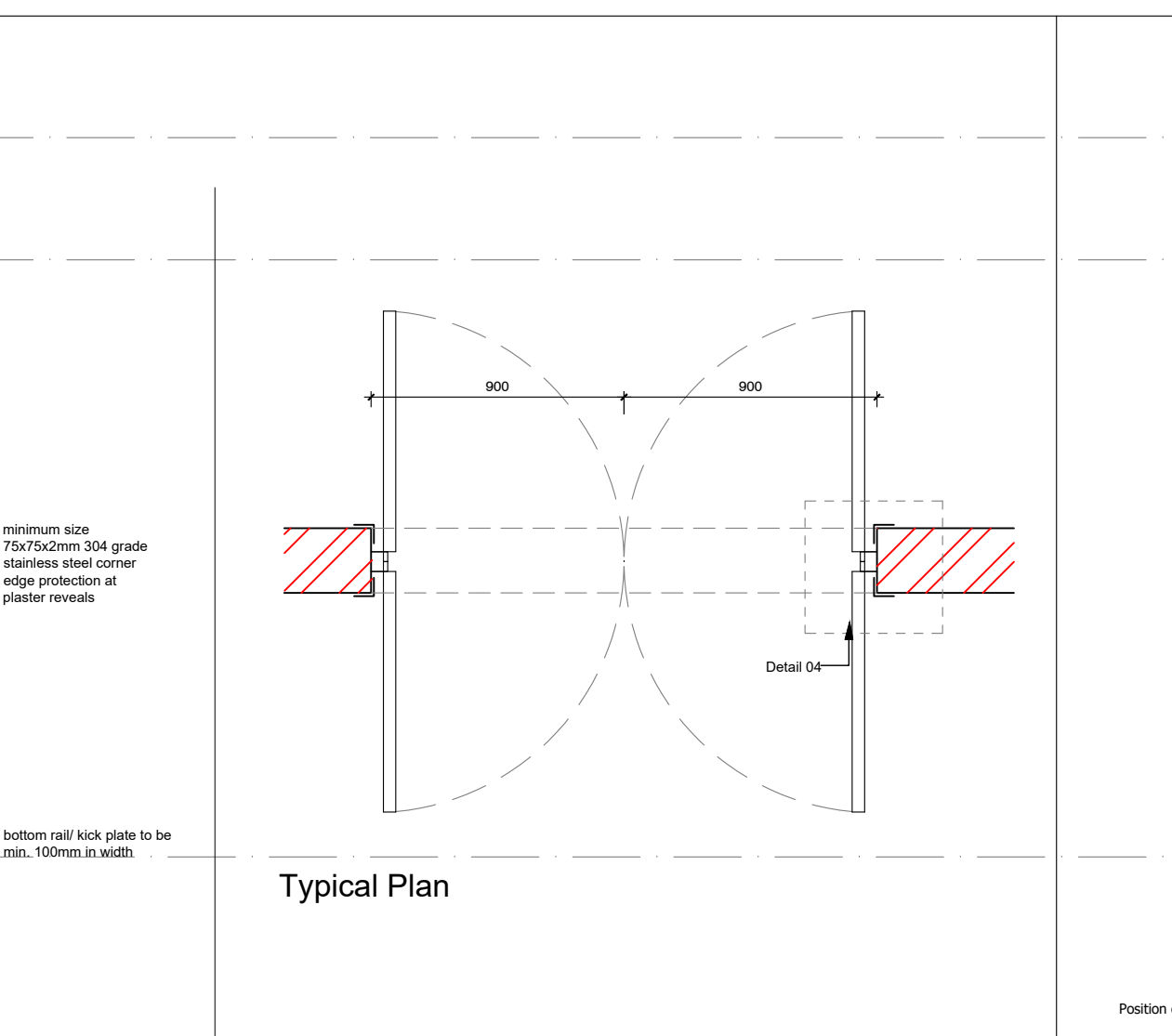
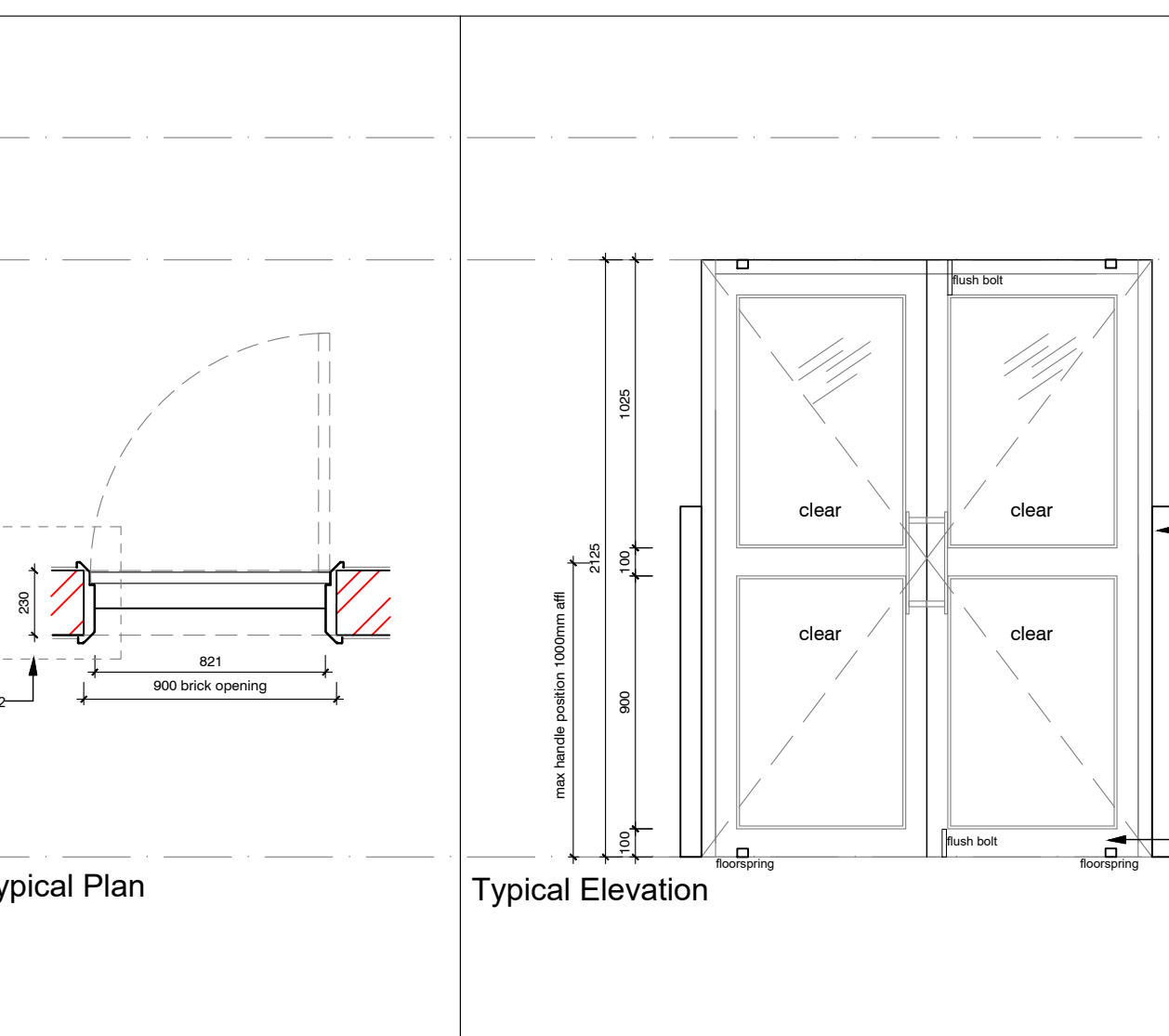
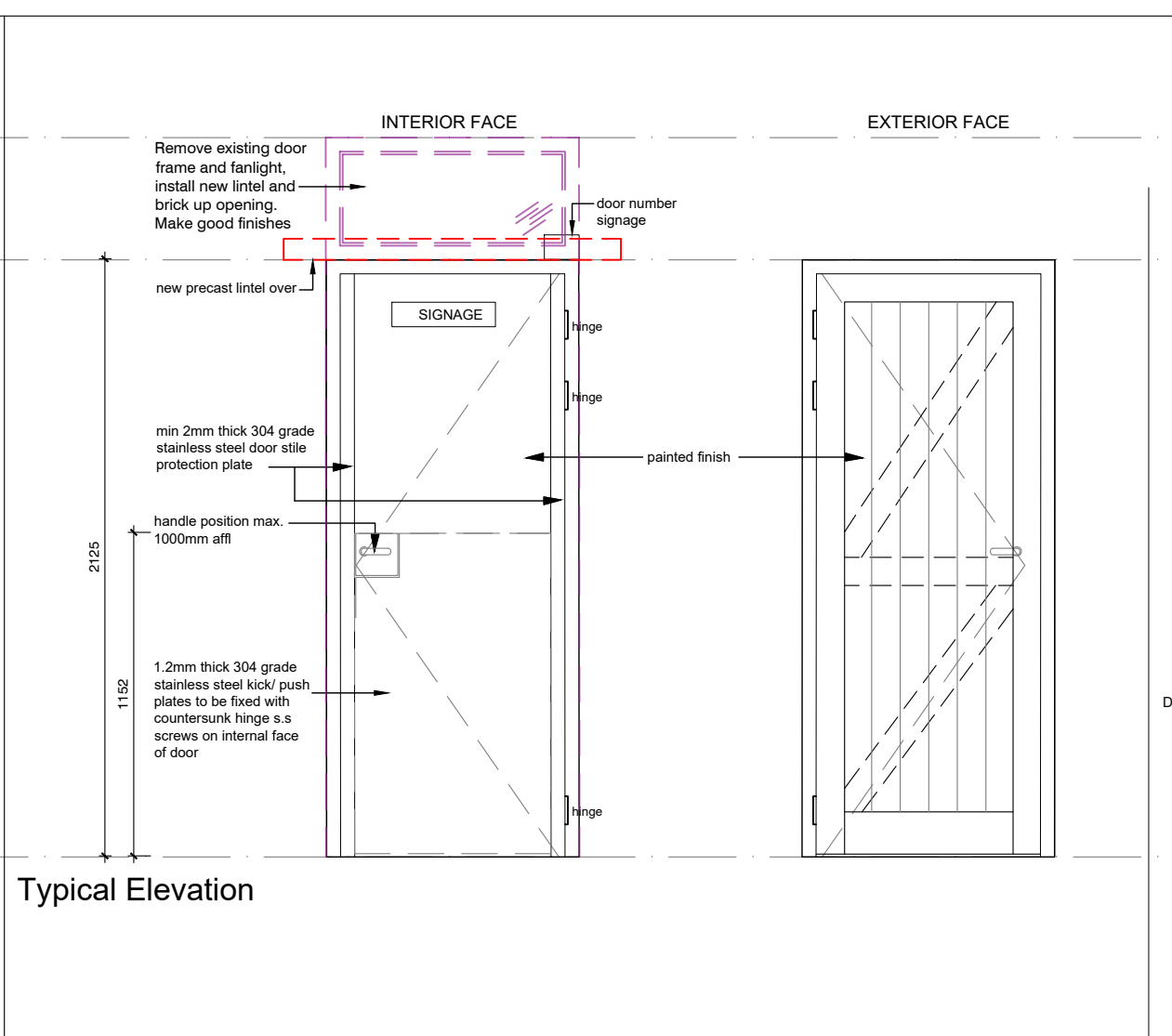
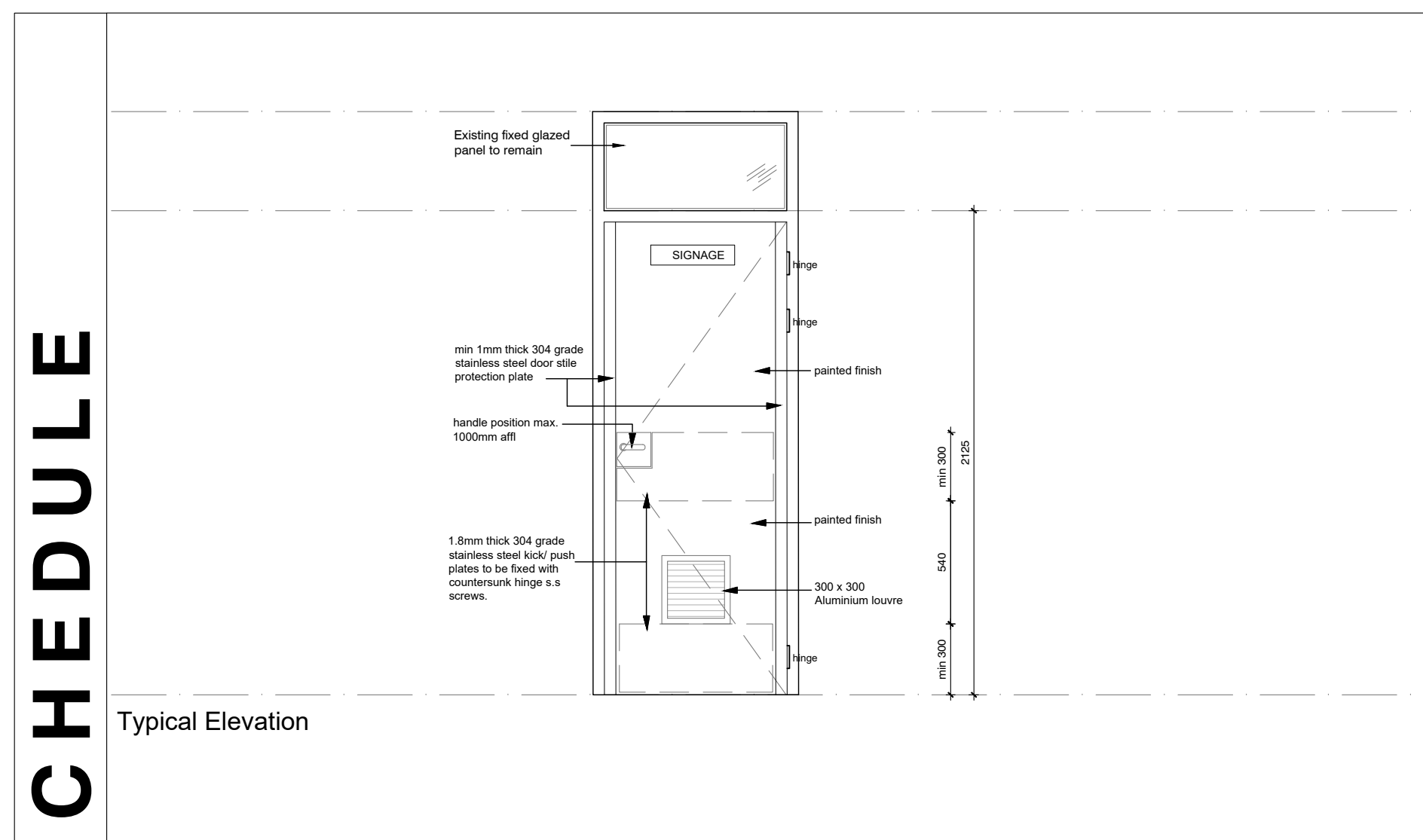
Municipal Information:

Architects Information:

Clients Information:

Drawing Revisions:

DOOR SCHEDULE



QUANTITY	01	LOCATION
FRAME	<ul style="list-style-type: none"> Existing pressed metal frame to be retained Surface to be prepared to receive new painted finish 	<ul style="list-style-type: none"> Male Staff Toilet
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Courtyard 1 Courtyard 2
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick Plate: Height for kick plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Kick plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Push Plate: Height for push plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Push plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Door Site Protection: all door stile edges to be clad with minimum 1.2mm thick 304 grade stainless steel plates over full height of door. Stainless steel plate to be fixed with countersunk stainless screws at min. 200mm c.c 	<ul style="list-style-type: none"> TYPE DE
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Refer to signage schedule MDA 477 c ... Doors to have opening to receive two 300 x 300 double sided aluminium louvre, powder coat finish. 	<ul style="list-style-type: none"> Not applicable

QUANTITY	02	LOCATION
FRAME	<ul style="list-style-type: none"> 2mm thick 304 grade stainless steel pressed metal frame with cut out to allow for welding of 3mm stainless steel hinges each frame style to have stainless steel fixing ties at every 3rd brick course stainless steel plate to be fixed with countersunk stainless steel screws and all screws / facings to be countersunk, filled and plugged 	<ul style="list-style-type: none"> Dissecting Room 01
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Viewing Room 01 Viewing Room 02
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick/ Push Plate: Height for kick/ push plate to be 1150mm. 1.2mm thick 304 grade stainless steel plate. Plate to be fixed to internal face of the door with countersunk stainless steel screws at min 200mm c.c Door Site Protection: all door stile edges to be clad with minimum 1.2mm thick 304 grade stainless steel plates over full height of door. Stainless steel plate to be fixed with countersunk stainless screws at min. 200mm c.c 	<ul style="list-style-type: none"> TYPE DF
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Refer to signage schedule MDA 477 c ... 	<ul style="list-style-type: none"> Not applicable

QUANTITY	01	LOCATION
FRAME	<ul style="list-style-type: none"> aluminium extrusions to comply with BS EN 755: 2008 - Natural Anodised finish in accordance with SANS 204: 2011 all rebates are to have rubberised buffers to minimise air leakages surface finishes to comply with SANS 999 or SANS 1796 	<ul style="list-style-type: none"> Entrance
DOOR	<ul style="list-style-type: none"> min. 90mm aluminium extrusions to comply with BS EN 755: 2008 Surface finishes to comply with SAN 999 or SANS 1796 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Glazing thickness is governed by the SANS 10400 part N and SABS 0137 AGAMA certification is to be supplied for glazing to ensure compliance with SANS standards 0137 and 10400 Glazing thickness: 6.38 lll laminated safety glass (clear) 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> minimum dimensions 75x75x2mm 304 grade stainless steel corner protection plate to minimum height of 1200mm aff. to be fixed to plaster face with stainless steel countersunk screws 	<ul style="list-style-type: none"> TYPE DG
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Refer to signage schedule MDA 477 c ... 	<ul style="list-style-type: none"> Not applicable

QUANTITY	01	LOCATION
FRAME	<ul style="list-style-type: none"> Existing pressed metal frame to be retained Surface to be prepared to receive new painted finish 	<ul style="list-style-type: none"> Body Reception
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Courtyard 1 Courtyard 2
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick Plate: Height for kick plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Kick plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Push Plate: Height for push plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Push plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Door Site Protection: all door stile edges to be clad with minimum 1.2mm thick 304 grade stainless steel plates over full height of door. Stainless steel plate to be fixed with countersunk stainless screws at min. 200mm c.c 	<ul style="list-style-type: none"> TYPE DH
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Refer to signage schedule MDA 477 c ... Doors to have opening to receive two 300 x 300 double sided aluminium louvre, powder coat finish. 	<ul style="list-style-type: none"> Not applicable

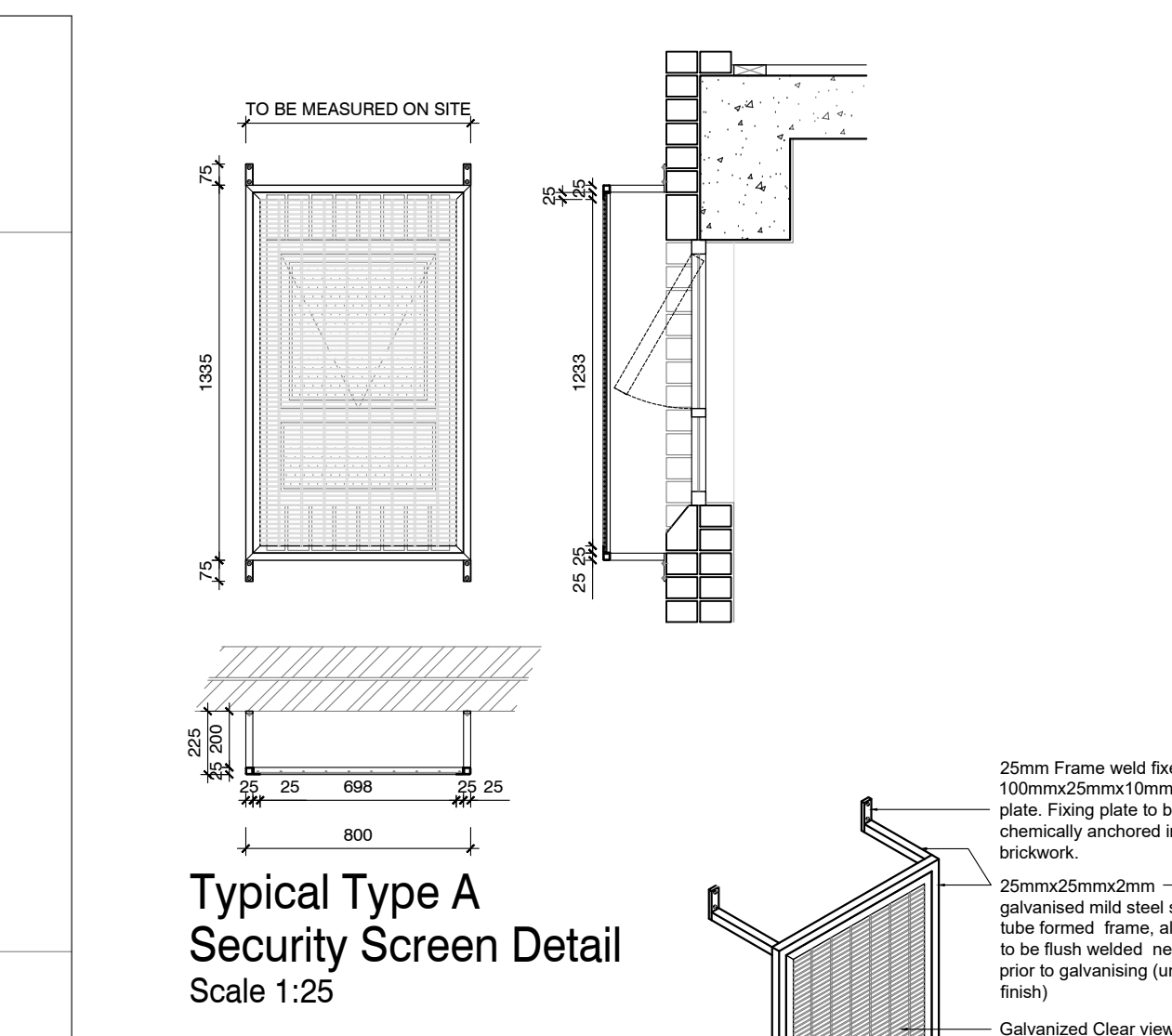
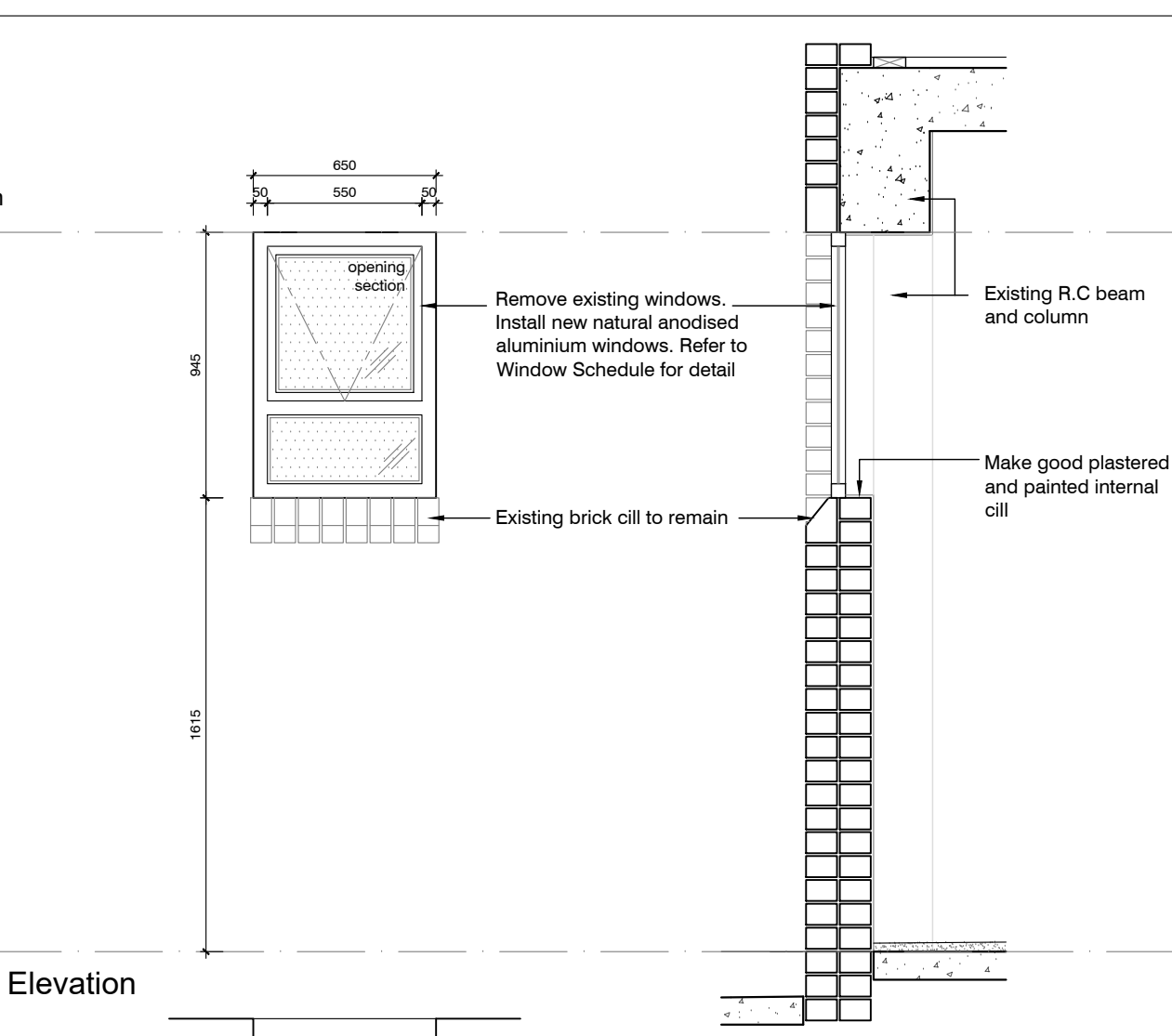
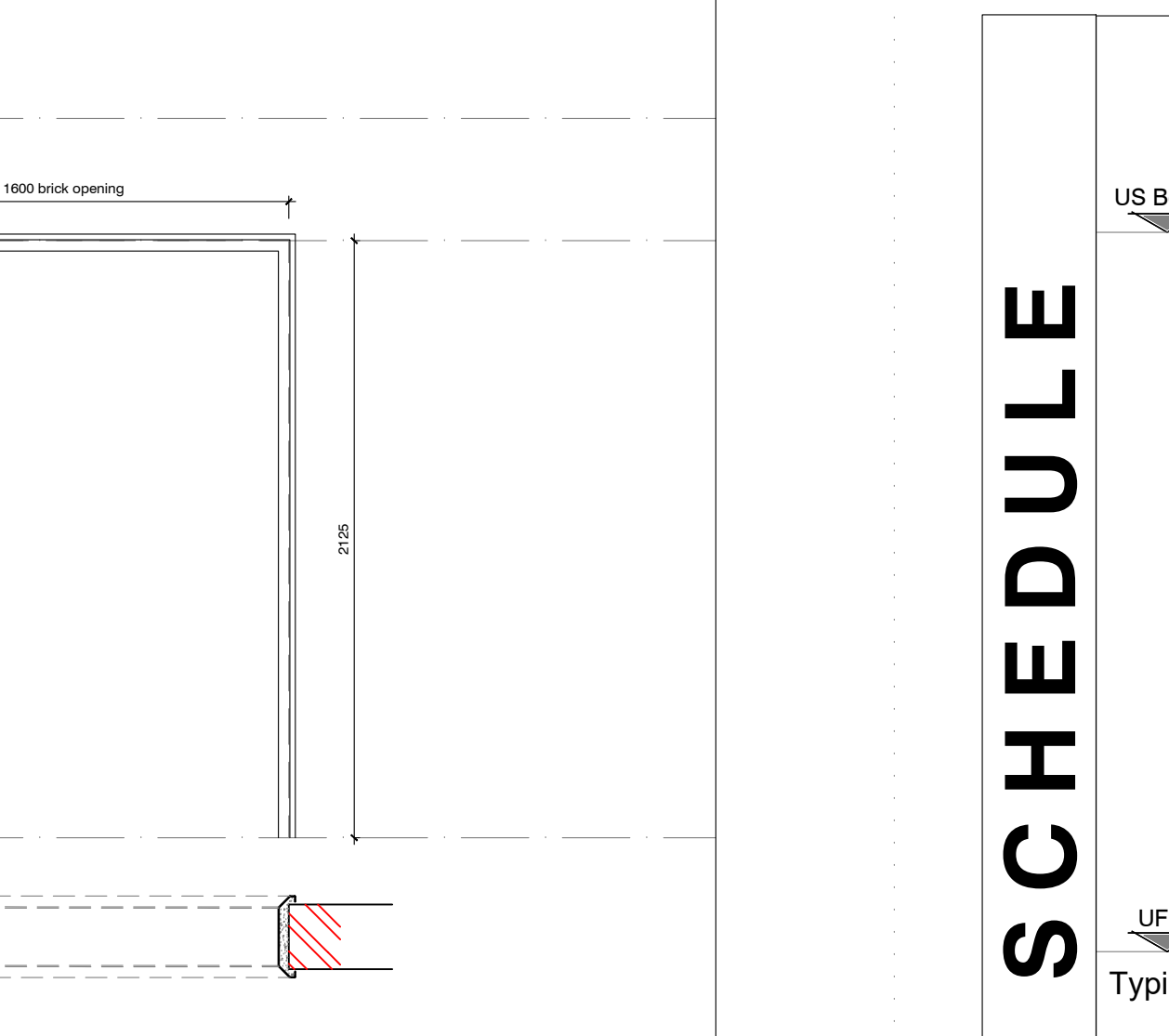
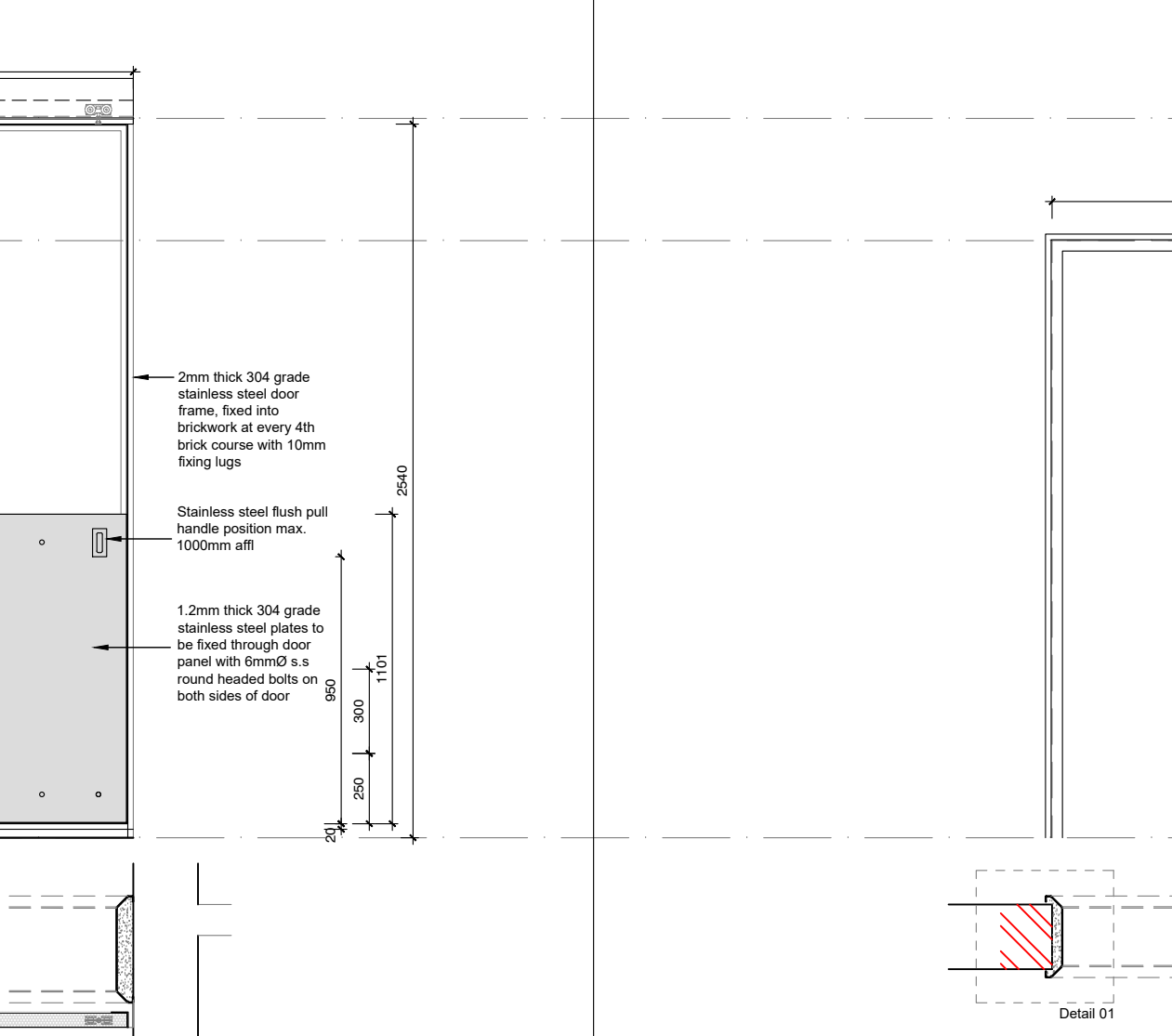
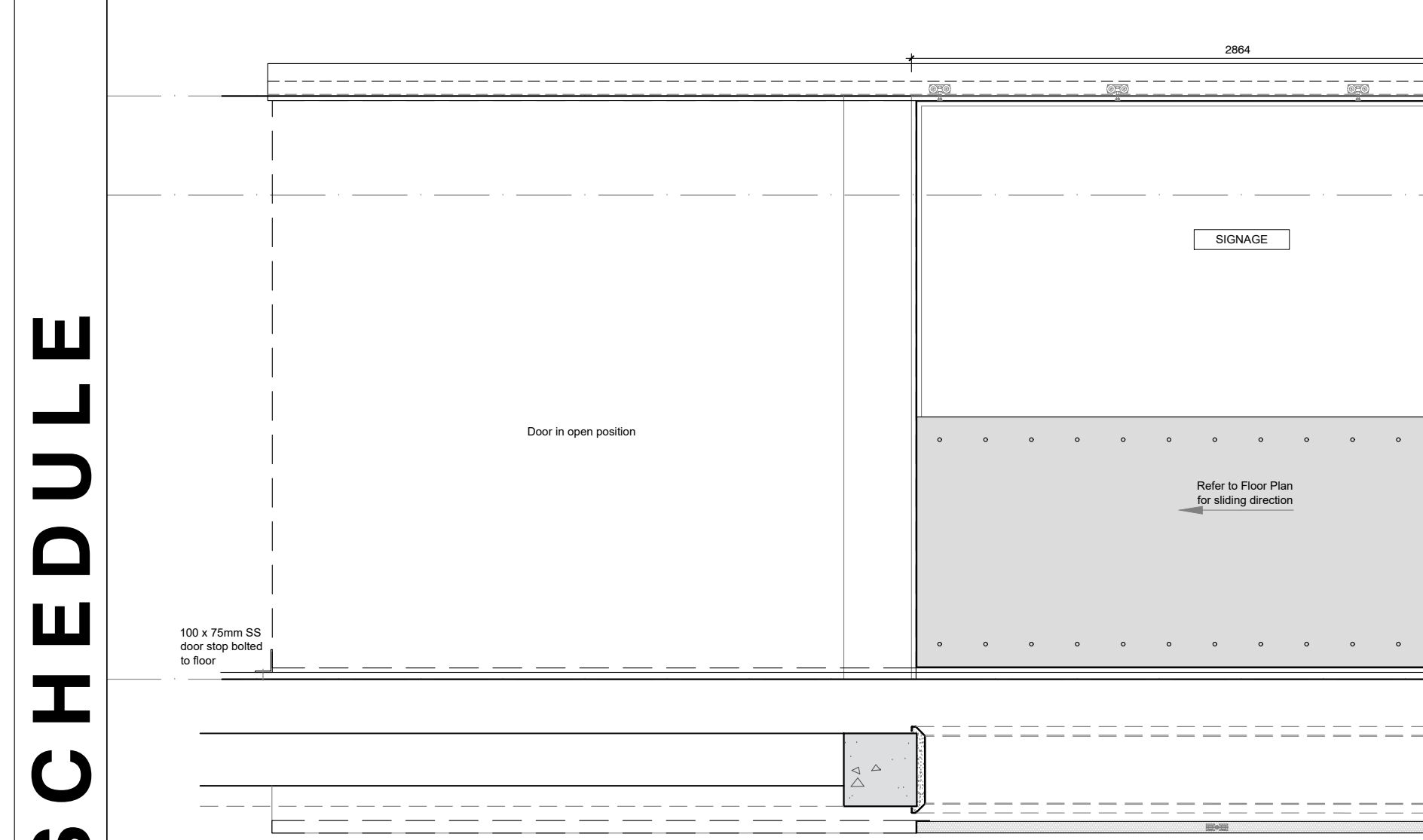
QUANTITY	01	LOCATION
FRAME	<ul style="list-style-type: none"> Existing pressed metal frame to be retained Surface to be prepared to receive new painted finish 	<ul style="list-style-type: none"> Body Reception
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Courtyard 1 Courtyard 2
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick Plate: Height for kick plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Kick plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Push Plate: Height for push plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Push plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Door Site Protection: all door stile edges to be clad with minimum 1.2mm thick 304 grade stainless steel plates over full height of door. Stainless steel plate to be fixed with countersunk stainless screws at min. 200mm c.c 	<ul style="list-style-type: none"> TYPE DH
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Refer to signage schedule MDA 477 c ... Doors to have opening to receive two 300 x 300 double sided aluminium louvre, powder coat finish. 	<ul style="list-style-type: none"> Not applicable

Architects Information:

Clients Information:

Drawing Revisions:

DOOR SCHEDULE

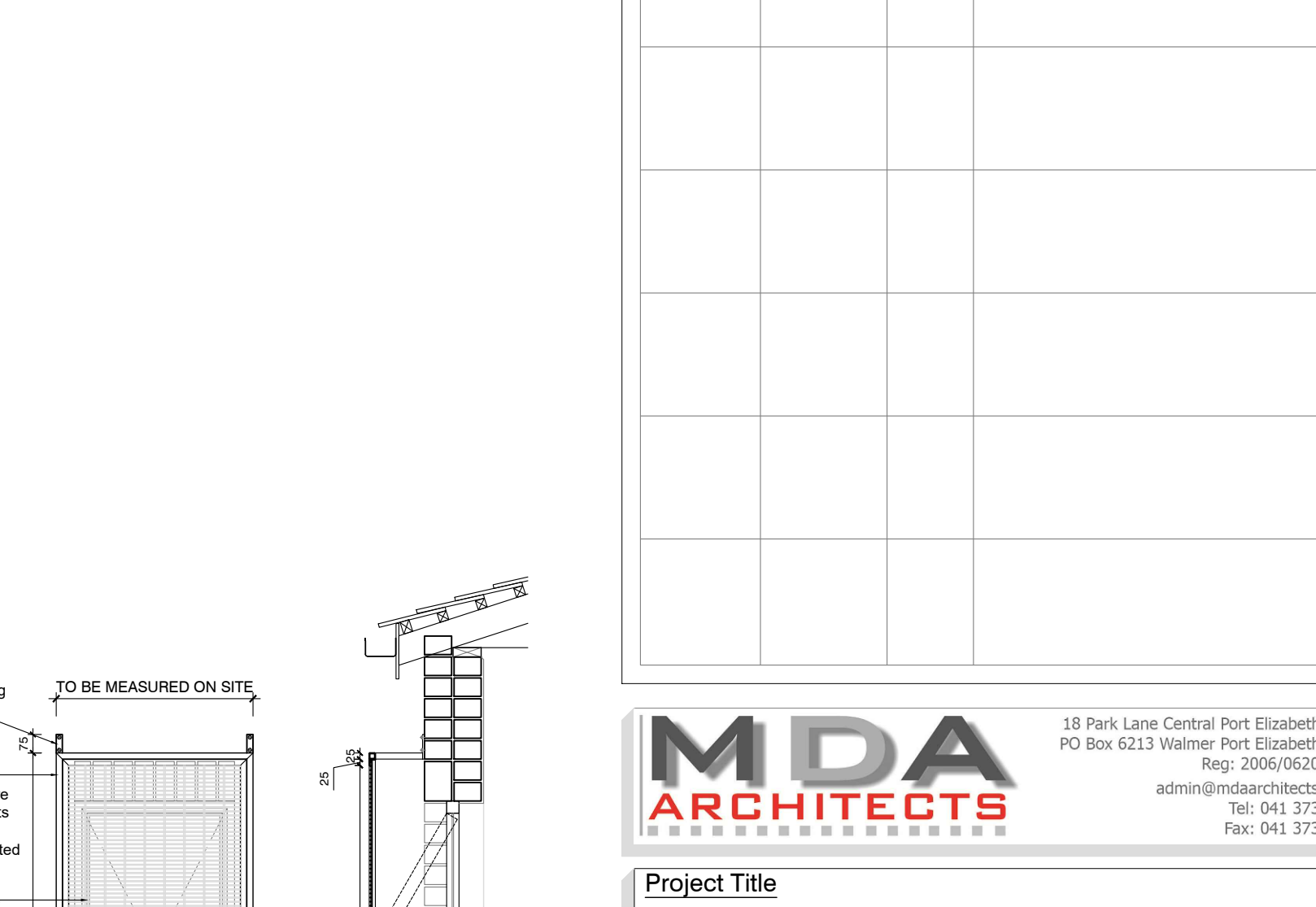
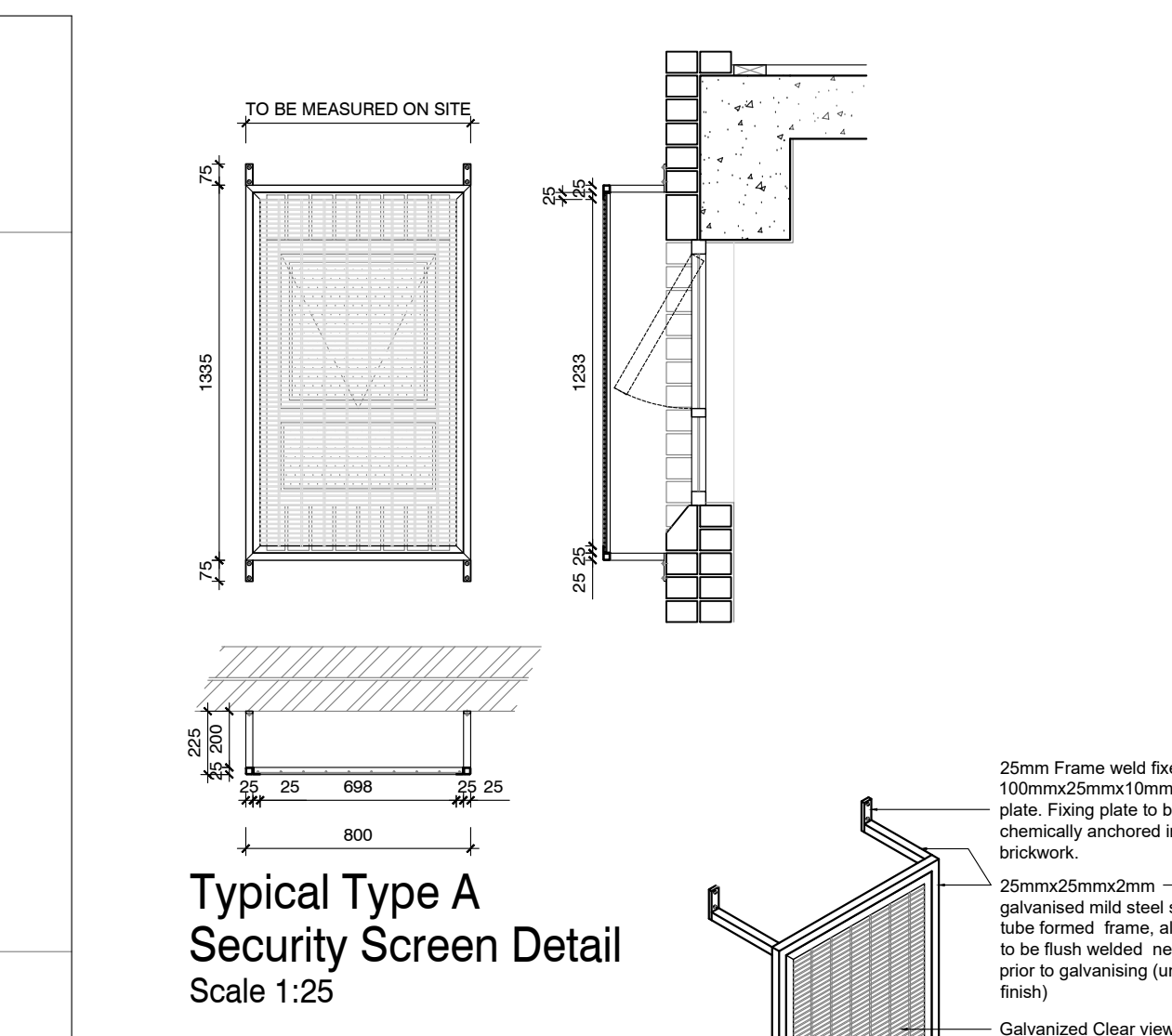
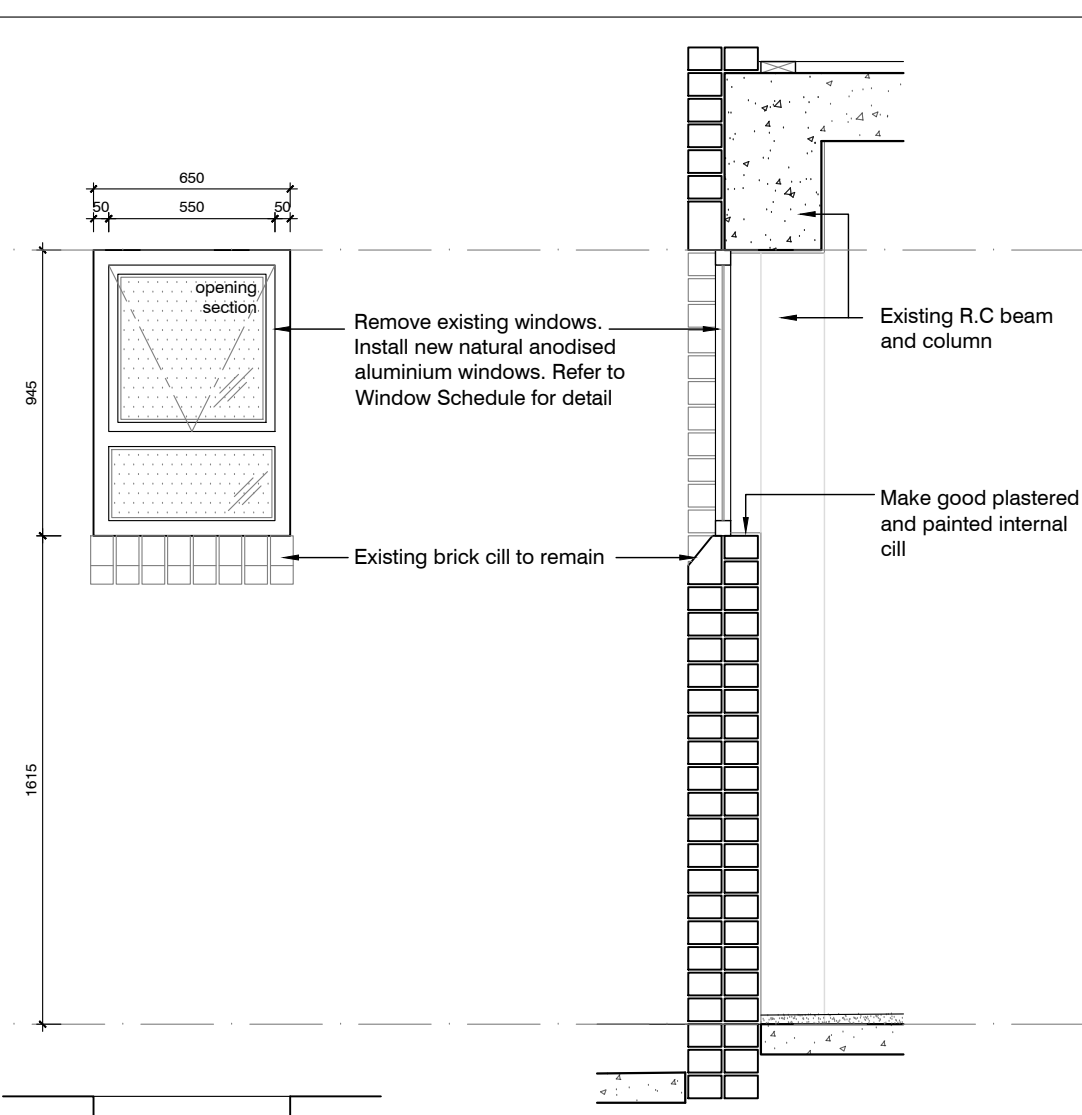


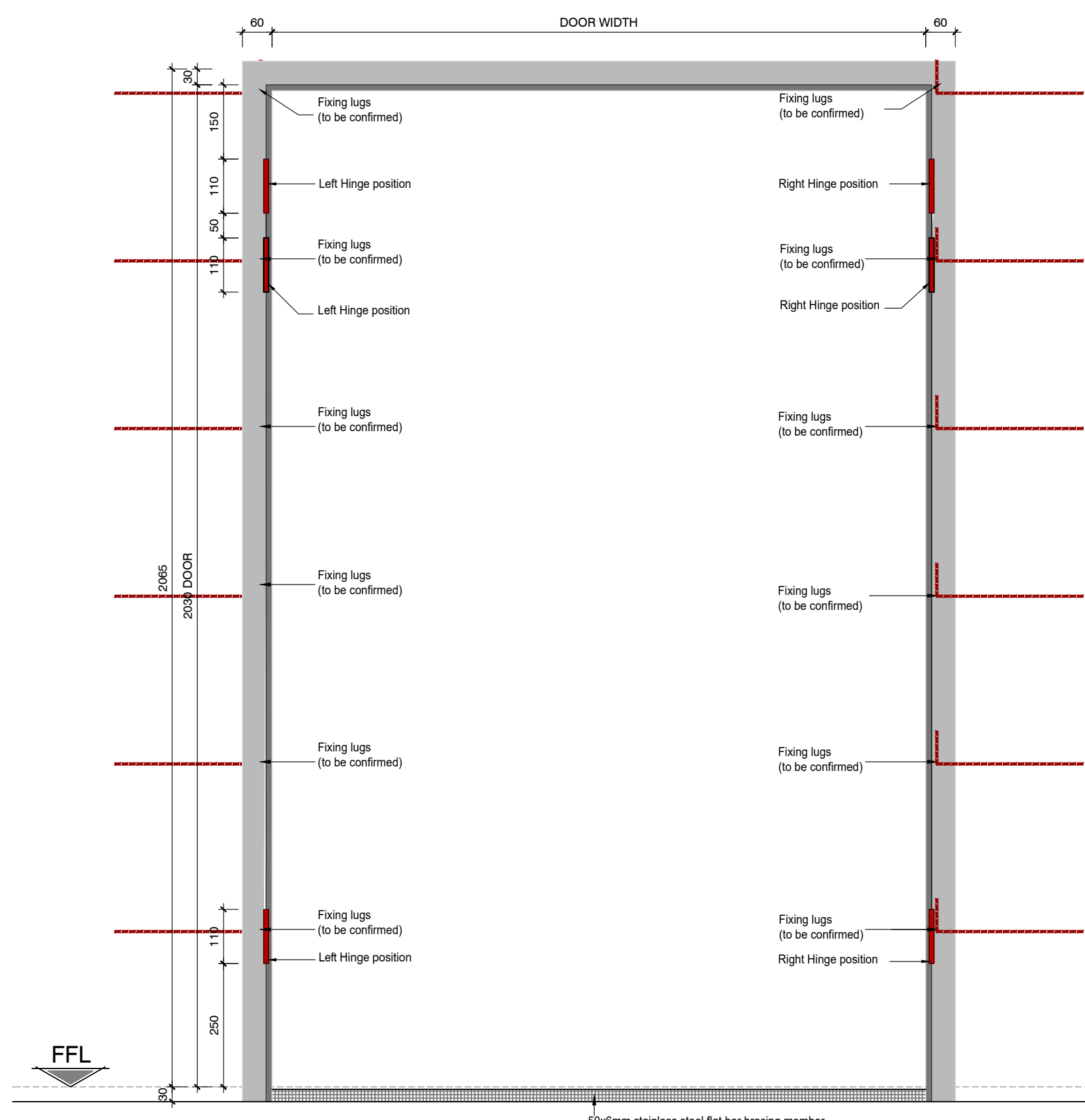
QUANTITY	01	LOCATION
FRAME	<ul style="list-style-type: none"> 2mm thick 304 grade stainless steel pressed metal frame each frame style to have stainless steel fixing ties at every 3rd brick course stainless steel plate to be fixed with countersunk stainless steel screws and all screws / facings to be countersunk, filled and plugged Refer to detail drawing no 03 50mm Isovol Polyisocyanurate (PIR) Cor Panel white pre-painted chromadek outer skin both sides 20x20x1.2mm stainless steel angle trim at exposed edges 	<ul style="list-style-type: none"> Body Reception
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Dissecting Room 03
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick/ Push Plate: Height for kick/ push plate to be 1150mm. 1.2mm thick 304 grade stainless steel plate. Plate to be fixed through door panel with 6mmID s.s. round headed bolts on both sides of door at min 100mm c.c 	<ul style="list-style-type: none"> TYPE DI
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Doors to have opening to receive two 300 x 300 double sided aluminium louvre, powder coat finish. Refer to Ironmongery Schedule 	<ul style="list-style-type: none"> Not applicable

QUANTITY	01	LOCATION
FRAME	<ul style="list-style-type: none"> 2mm thick 304 grade stainless steel pressed metal frame each frame style to have stainless steel fixing ties at every 3rd brick course stainless steel plate to be fixed with countersunk stainless steel screws and all screws / facings to be countersunk, filled and plugged Refer to detail drawing no 01 	<ul style="list-style-type: none"> Dissecting Room 03
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Viewing Room 01 Viewing Room 02
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick/ Push Plate: Height for kick/ push plate to be 1150mm. 1.2mm thick 304 grade stainless steel plate. Plate to be fixed through door panel with 6mmID s.s. round headed bolts on both sides of door at min 100mm c.c 	<ul style="list-style-type: none"> TYPE DJ
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Doors to have opening to receive two 300 x 300 double sided aluminium louvre, powder coat finish. Refer to Ironmongery Schedule 	<ul style="list-style-type: none"> Not applicable

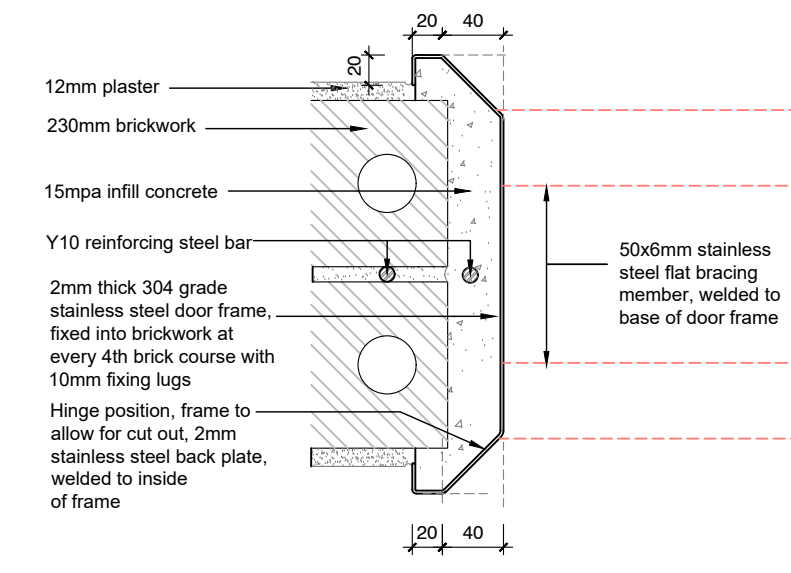
QUANTITY	01	LOCATION
FRAME	<ul style="list-style-type: none"> Existing pressed metal frame to be retained Surface to be prepared to receive new painted finish 	<ul style="list-style-type: none"> Body Reception
DOOR	<ul style="list-style-type: none"> selected min. 44mm thickness solid flush door with min 10mm hardwood edges and min. 25mm hardwood rebated meeting styles. door to be faced with tempered smooth hardwood face for selected painted finish paint - door surface to be sanded smooth, imperfections/holes to be plugged and filled. wood primer to be applied to all surfaces 1 coat universal undercoats 2 finishing coats polyurethane enamel 	<ul style="list-style-type: none"> Courtyard 1 Courtyard 2
GLAZING DESCRIPTION	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> ACCESS CONTROL Yes
DOOR PROTECTION	<ul style="list-style-type: none"> Kick Plate: Height for kick plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Kick plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Push Plate: Height for push plate to be 300mm. 1.2mm thick 304 grade stainless steel plate. Push plate to be fixed to both sides of the door with countersunk stainless steel screws at min 200mm c.c Door Site Protection: all door stile edges to be clad with minimum 1.2mm thick 304 grade stainless steel plates over full height of door. Stainless steel plate to be fixed with countersunk stainless screws at min. 200mm c.c 	<ul style="list-style-type: none"> TYPE WA
GENERAL	<ul style="list-style-type: none"> Signage: All signage to comply with the sans 10400-S: 2001. Signage should be placed such that it is clearly visible by both able body and disabled persons. All signage is to comply with SANS 1196-1 requirements Refer to signage schedule MDA 477 c ... Doors to have opening to receive two 300 x 300 double sided aluminium louvre, powder coat finish. 	<ul style="list-style-type: none"> Not applicable

WINDOW SCHEDULE

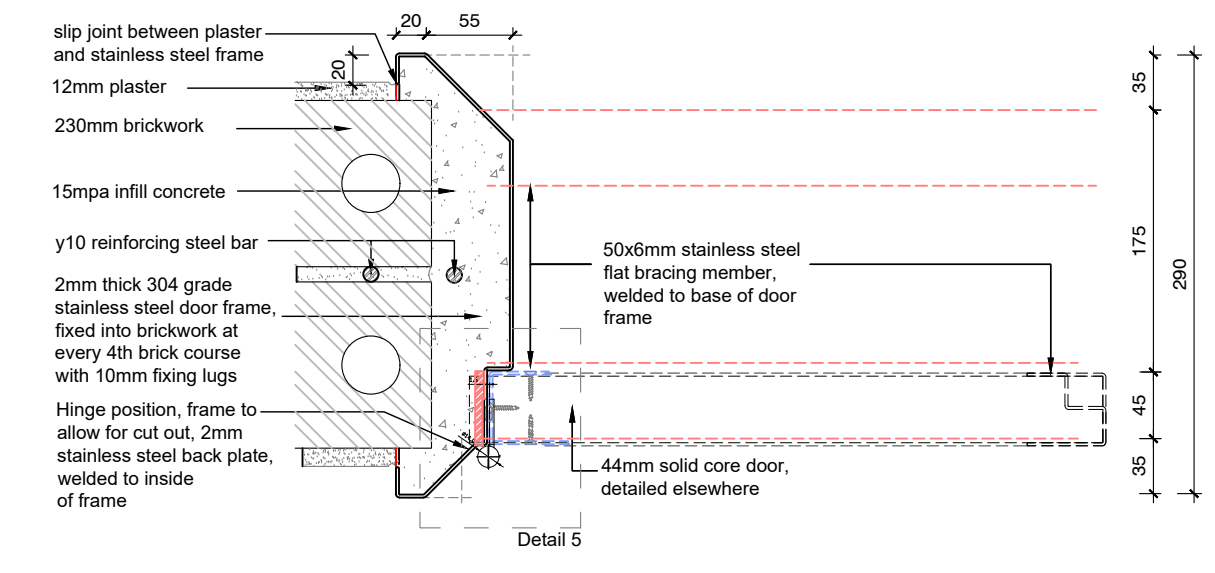




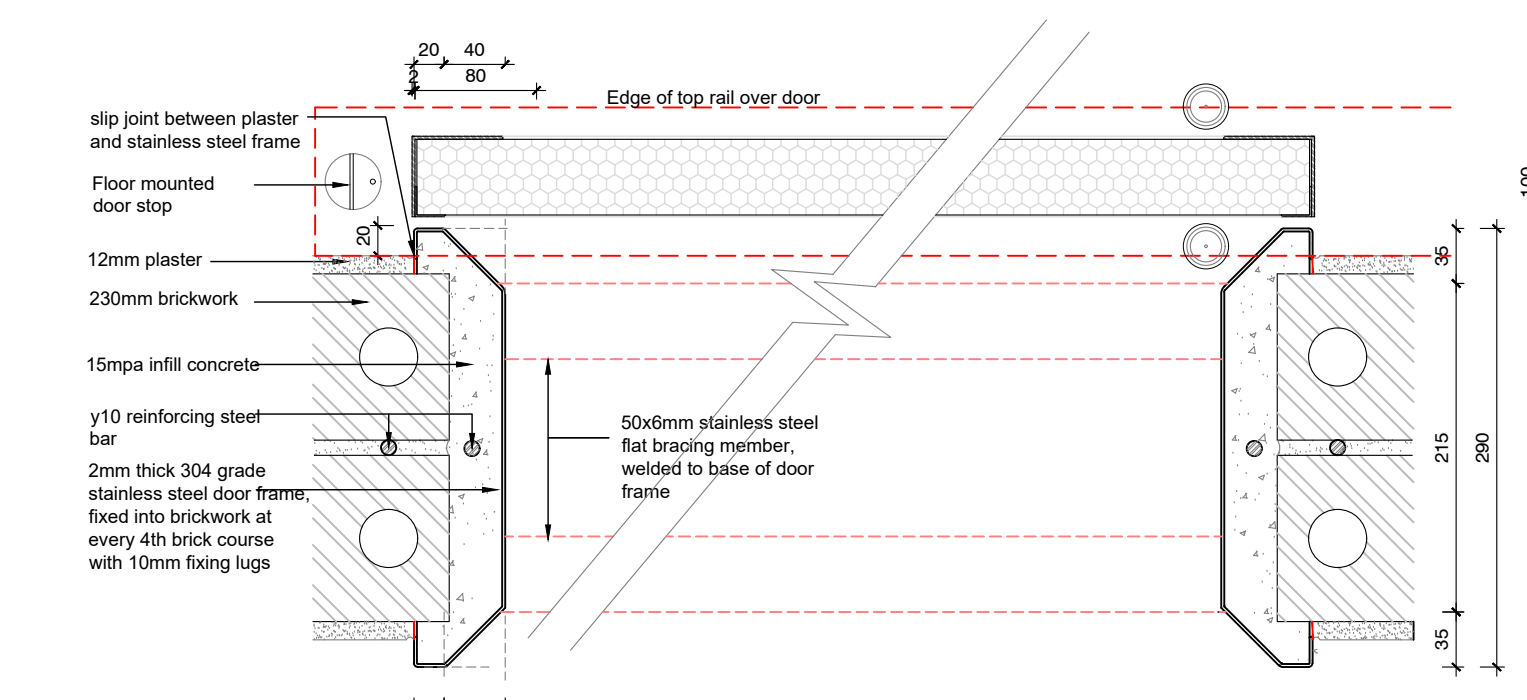
Typical new stainless steel door frame elevation
Scale 1:10



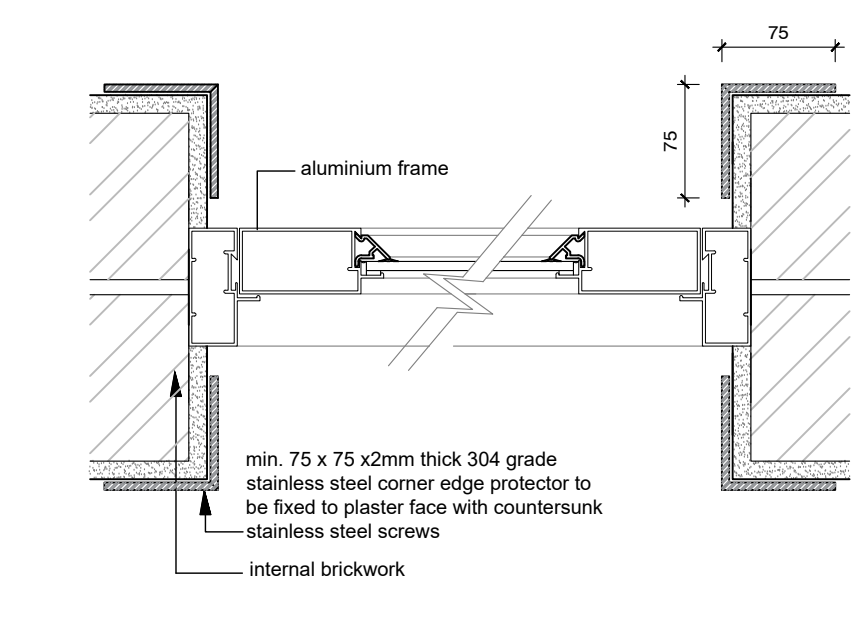
Detail 01: Door Frame
Scale 1:5



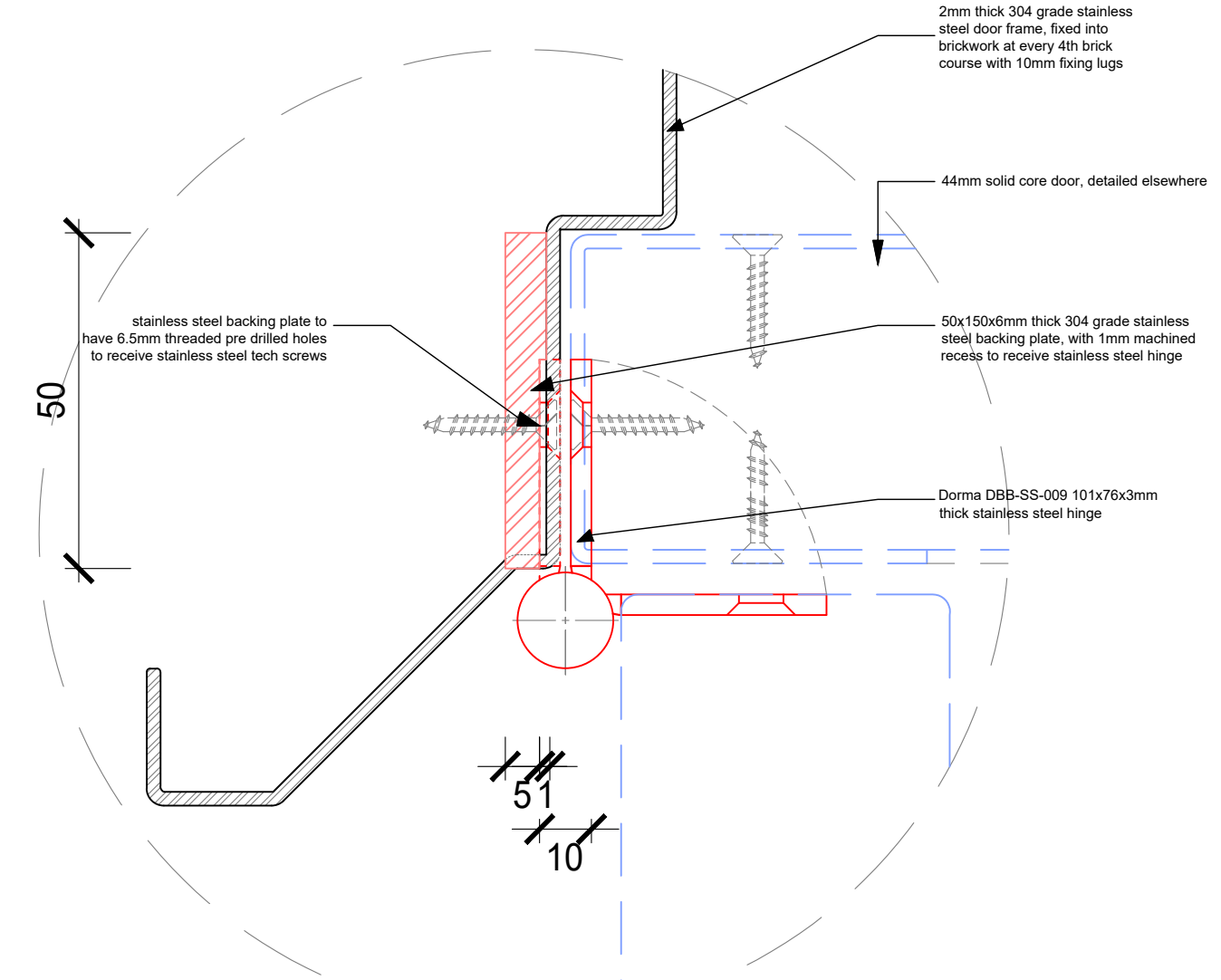
Detail 02: Hinged Door (230mm Brickwork)
Scale 1:5



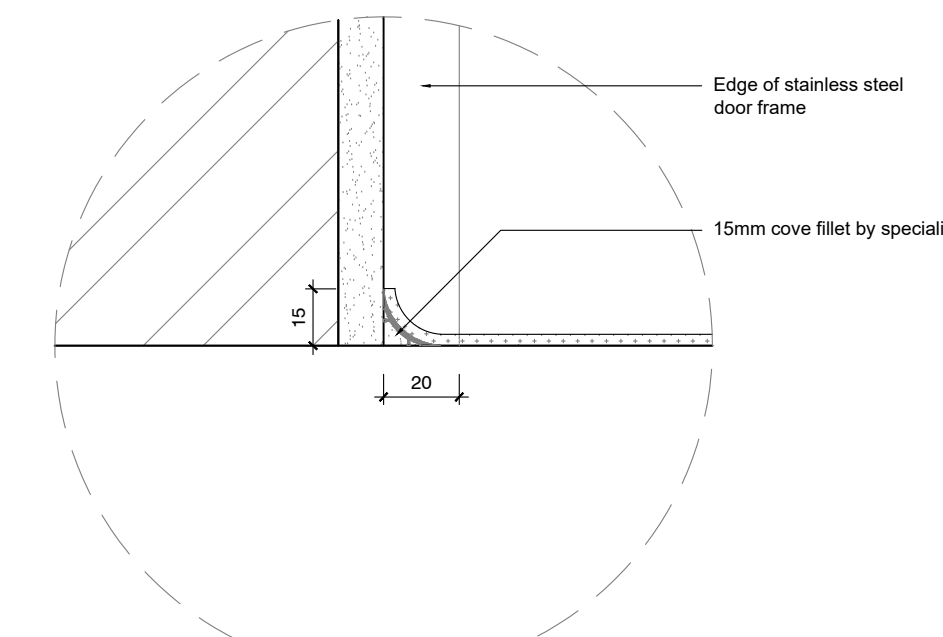
Detail 03: Sliding Door
Scale 1:5



Detail 04: Corner Protection Detail
Scale 1:5



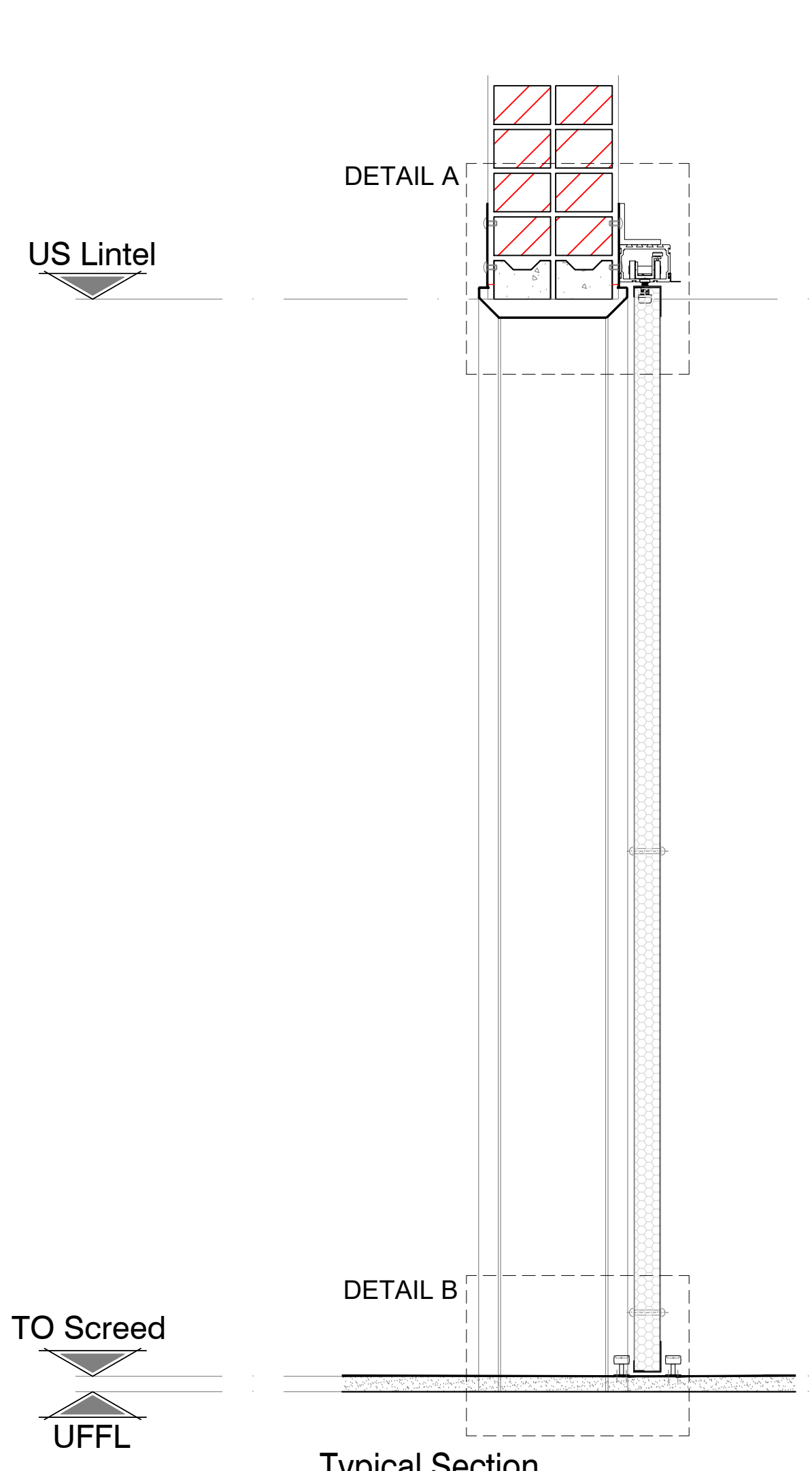
Detail 5: Hinge and Backing Plate
Scale 1:1



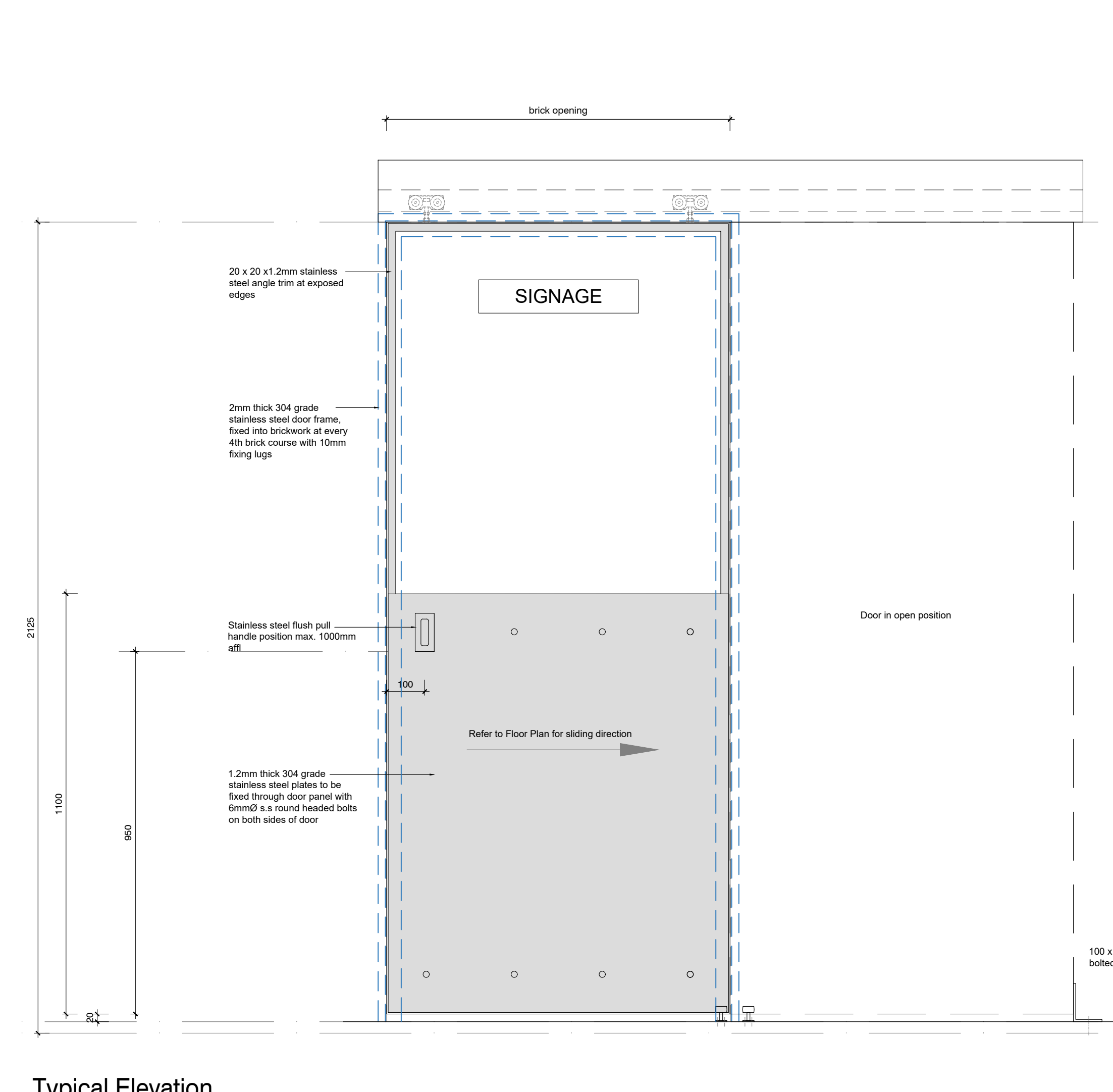
Door frame and Cove
Scale 1:2

TYPICAL VIEW 01

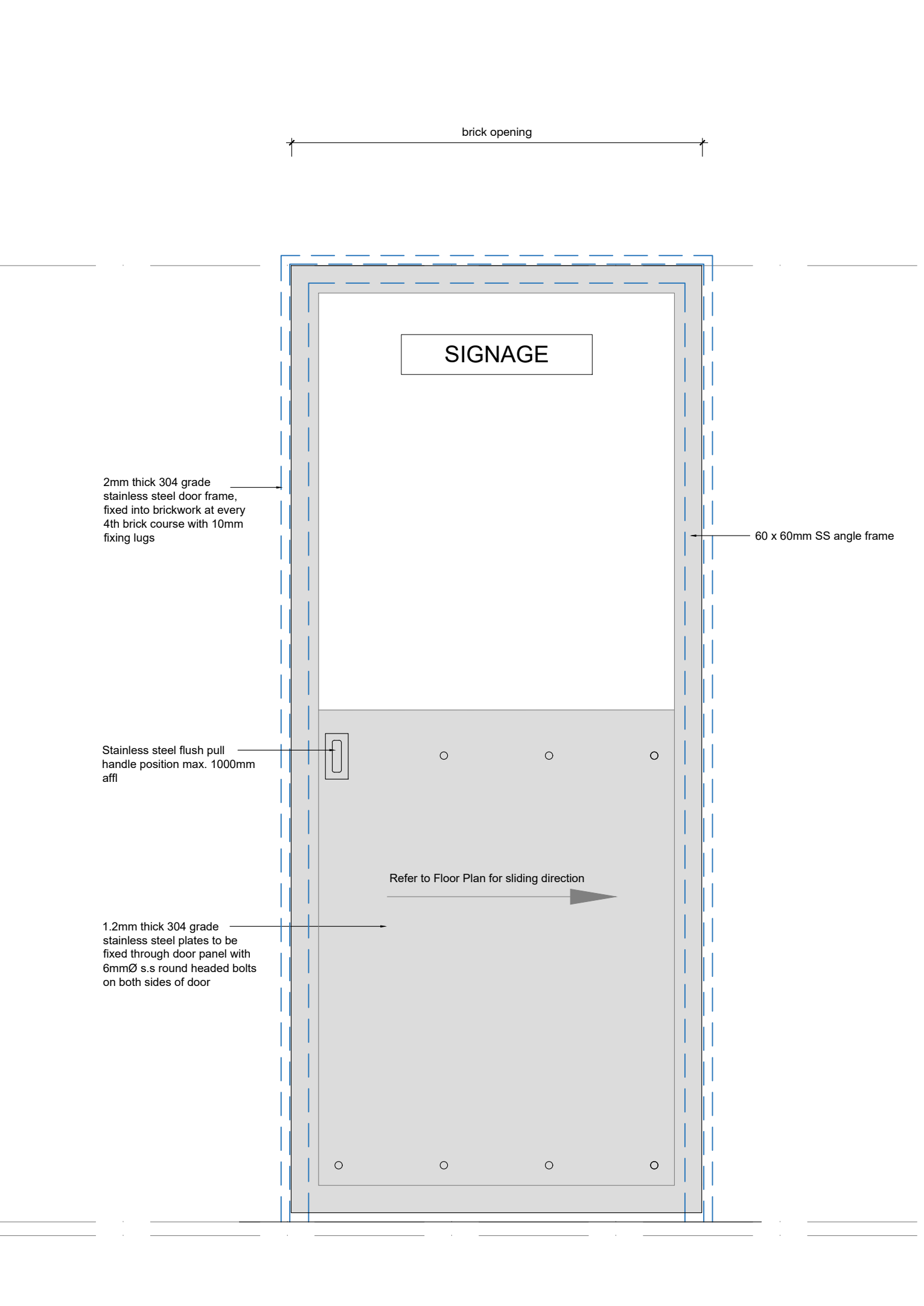
TYPICAL VIEW 02



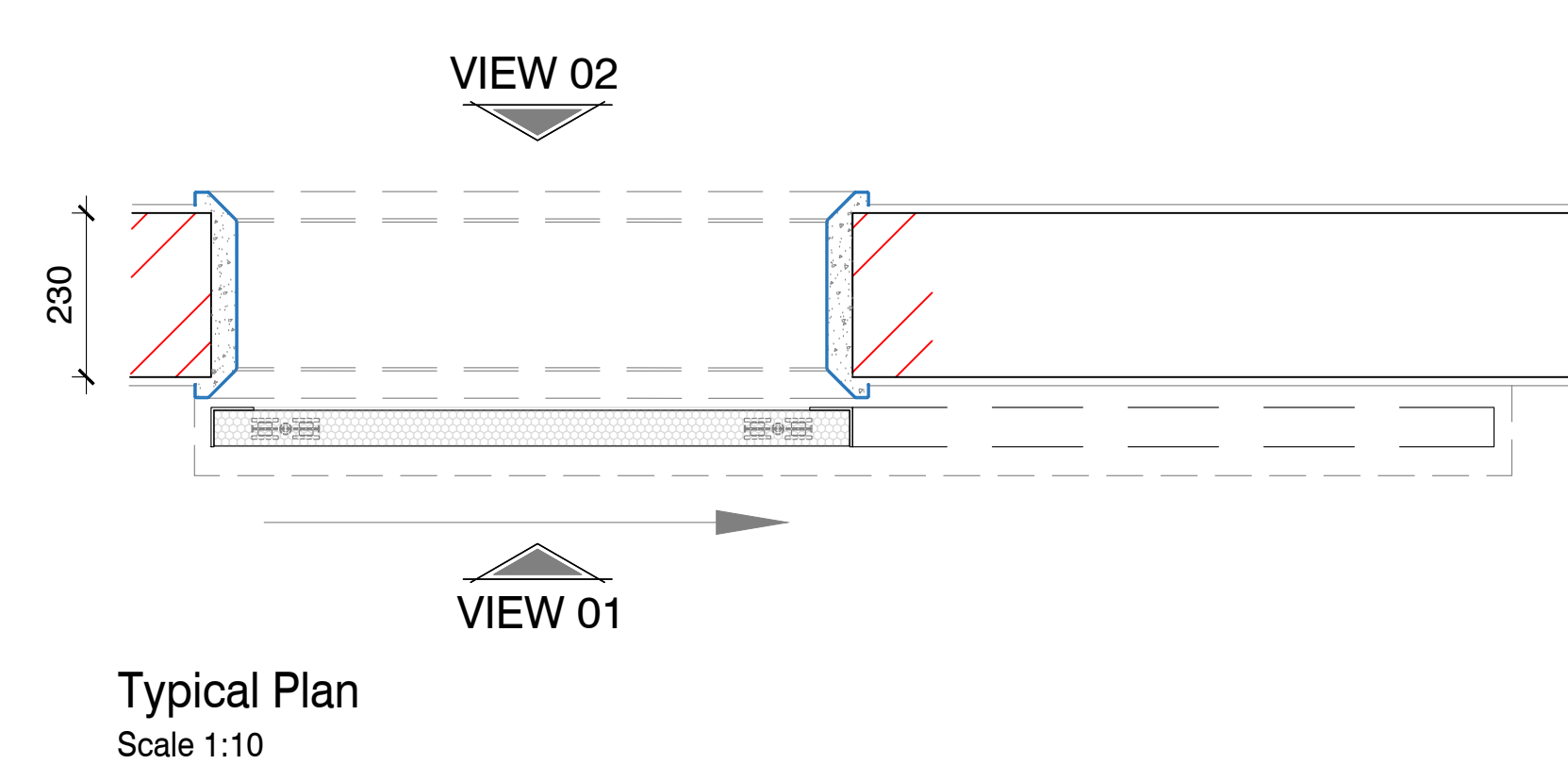
Typical Section
Scale 1:10



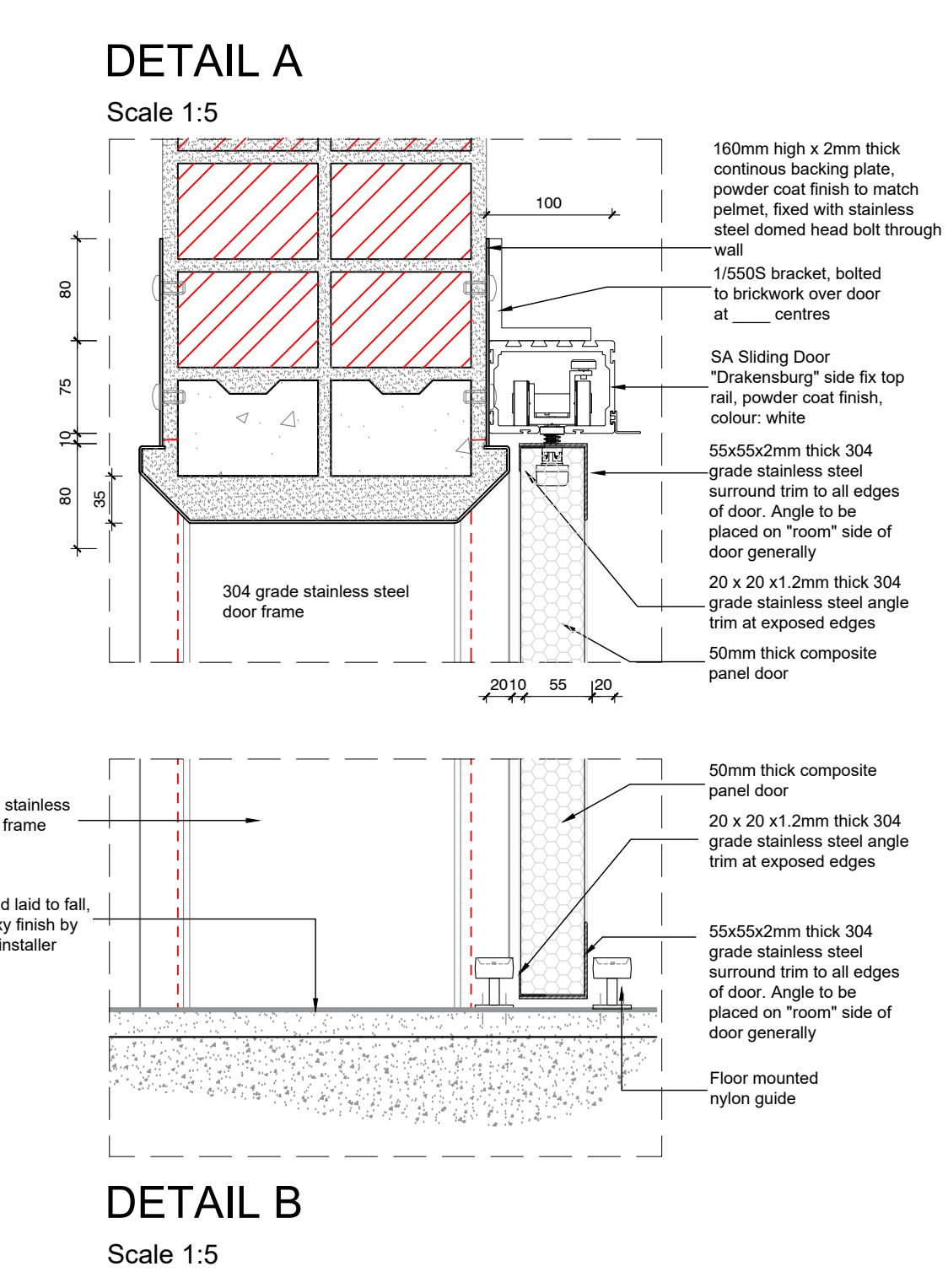
Typical Elevation
Scale 1:10



Typical Elevation
Scale 1:10



Typical Plan
Scale 1:10



DETAIL B
Scale 1:5

General Notes:

- All dimensions and levels are to be checked on site by the Contractor and discrepancies must be reported to the Architect before any work commences.
- This drawing is to be read in conjunction with all other drawings including those of Consultants and/or Bills of Materials and/or specification issued for this project.
- Scaled dimensions are not to be used for construction. Should there be any discrepancies or lack of dimensions the Architects are to be contacted for clarification.
- Only drawings numbered 200 WD and upwards and showing the latest revisions are to be used for construction. All previously issued drawings are to be destroyed.
- This drawing is only to be used for the project and site for which it was prepared.
- No setting out is to commence before the positions of the boundary pegs on the site have been verified by a Land Surveyor.
- Sewer connection to comply with municipal regulations.
- The Architects reserve the copyright on this drawing.

Municipal Information:

Architects Information:

Clients Information:

Drawing Revisions:

Revision	Date	Drawn By	Description



Project Title
Improvements, Alterations and Additions at Health Care Facilities in Nelson Mandela Bay Sub District A - New Brighton Forensic Laboratory

Drawing Name
Working Drawings:
DOOR DETAILS

Issue Date: 08-03-2024
Technician: GD
Checked By: DBA
Drawing Scale: As shown/ 1:50

Drawing Number	Issue Status	By	Revision
MDA447(A6) -2024			

ISSUED FOR: TENDER

- General Notes:**
- All dimensions and levels are to be checked on site by the Contractor and discrepancies must be reported to the Architect before any work commences.
 - This drawing is to be read in conjunction with all other drawings including those of Consultants and/or Bills of Materials and/or specification issued for this project.
 - Scaled dimensions are not to be used for construction. Should there be any discrepancies or lack of dimensions the Architects are to be contacted for clarification.
 - Only drawings numbered 200 WD and upwards and showing the latest revisions are to be used for construction. All previously issued drawings are to be destroyed.
 - This drawing is only to be used for the project and site for which it was prepared.
 - No setting out is to commence before the positions of the boundary pegs on the site have been verified by a Land Surveyor.
 - Sewer connection to comply with municipal regulations.
 - The Architects reserve the copyright on this drawing.

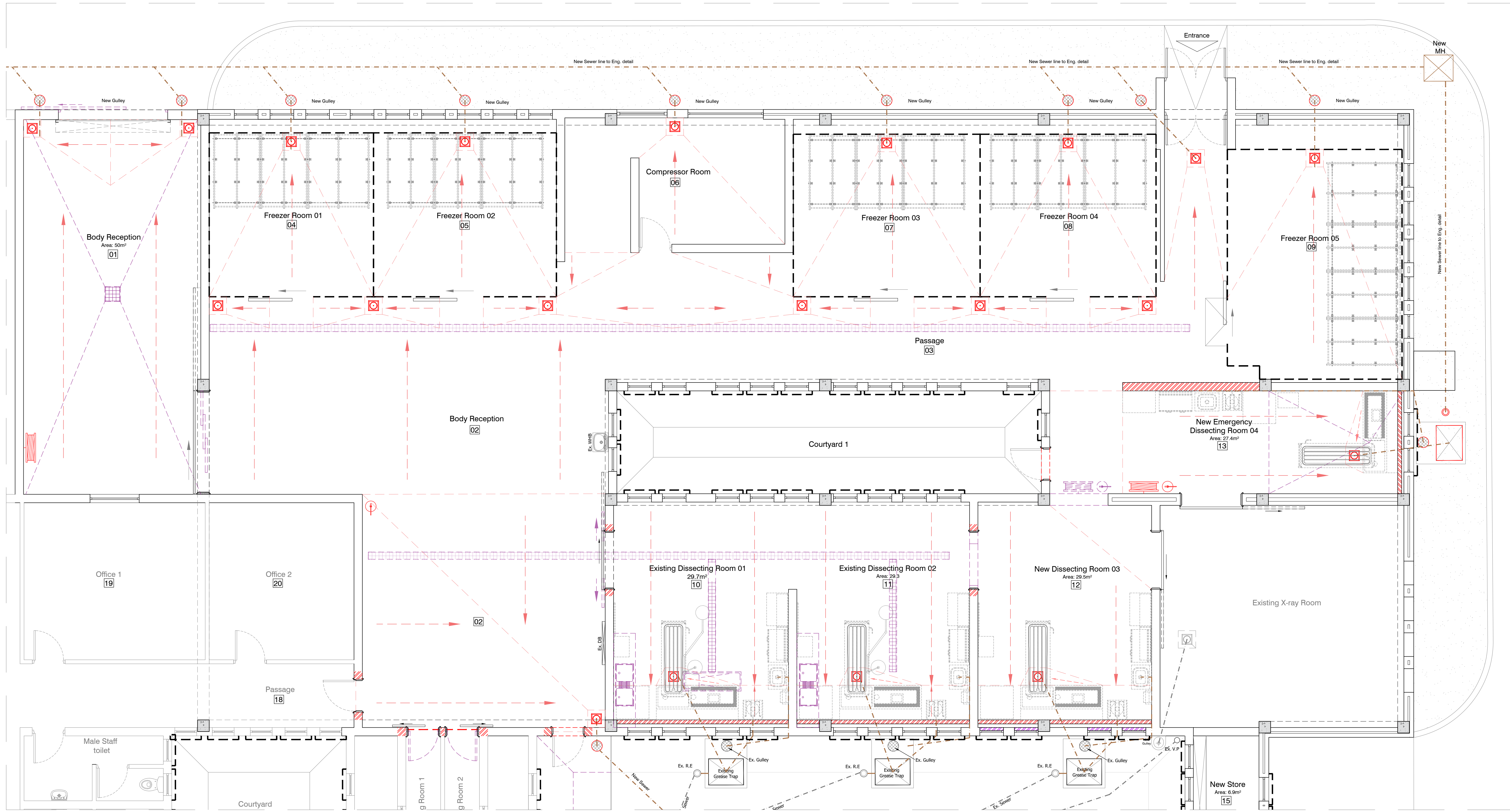
Municipal Information:

Architects Information:

Clients Information:

Drawing Revisions:

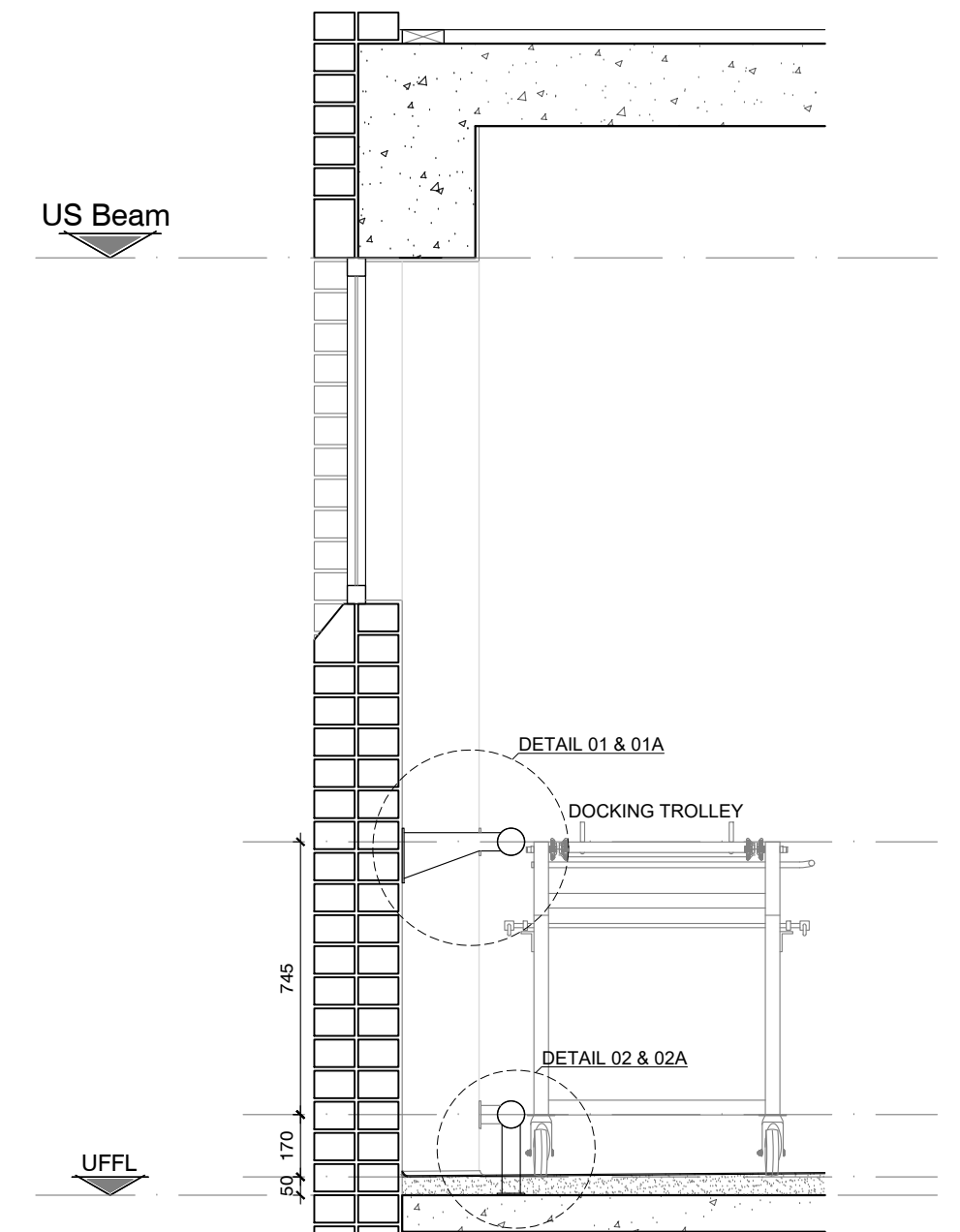
Revision	Date	Drawn	Description



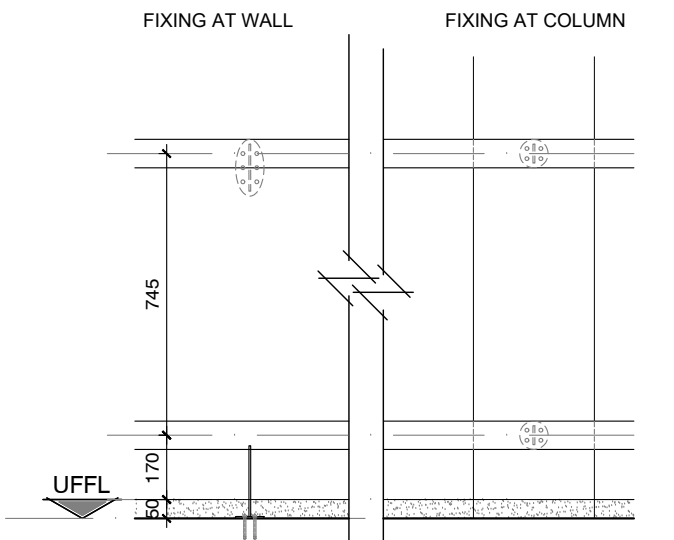
LEGEND

	POSITION BUMP RAIL AT WALL AND FLOOR
	POSITION OF BUMP RAIL AT FLOOR

NOTE: FIXING PLATES TO BE SPACED EQUALLY AT MAX 1500mm CENTRES AROUND

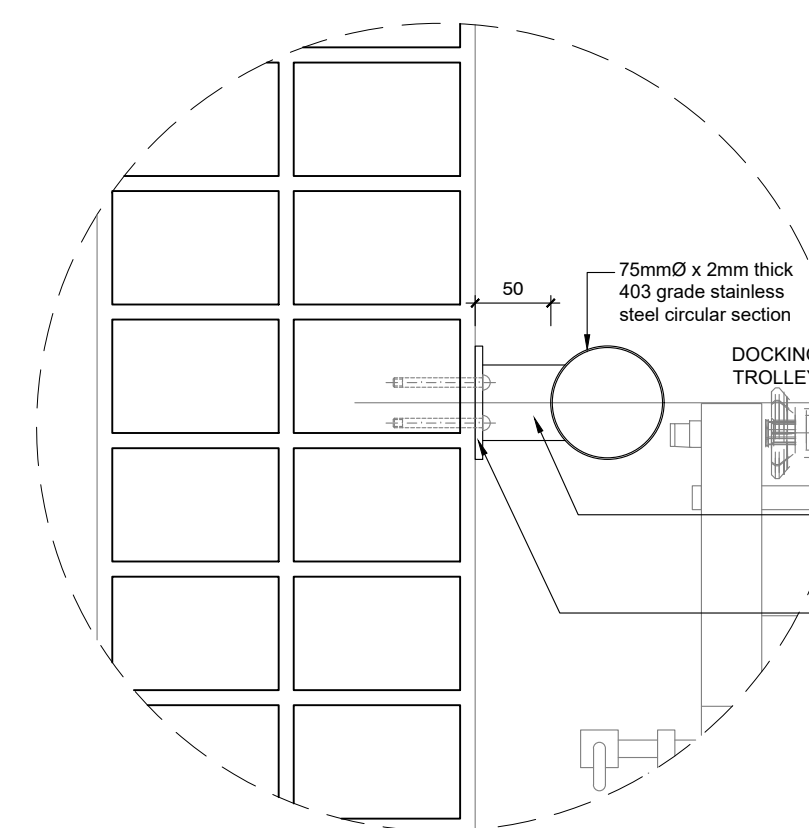


Typical Partwall Section A-A
Scale 1:20

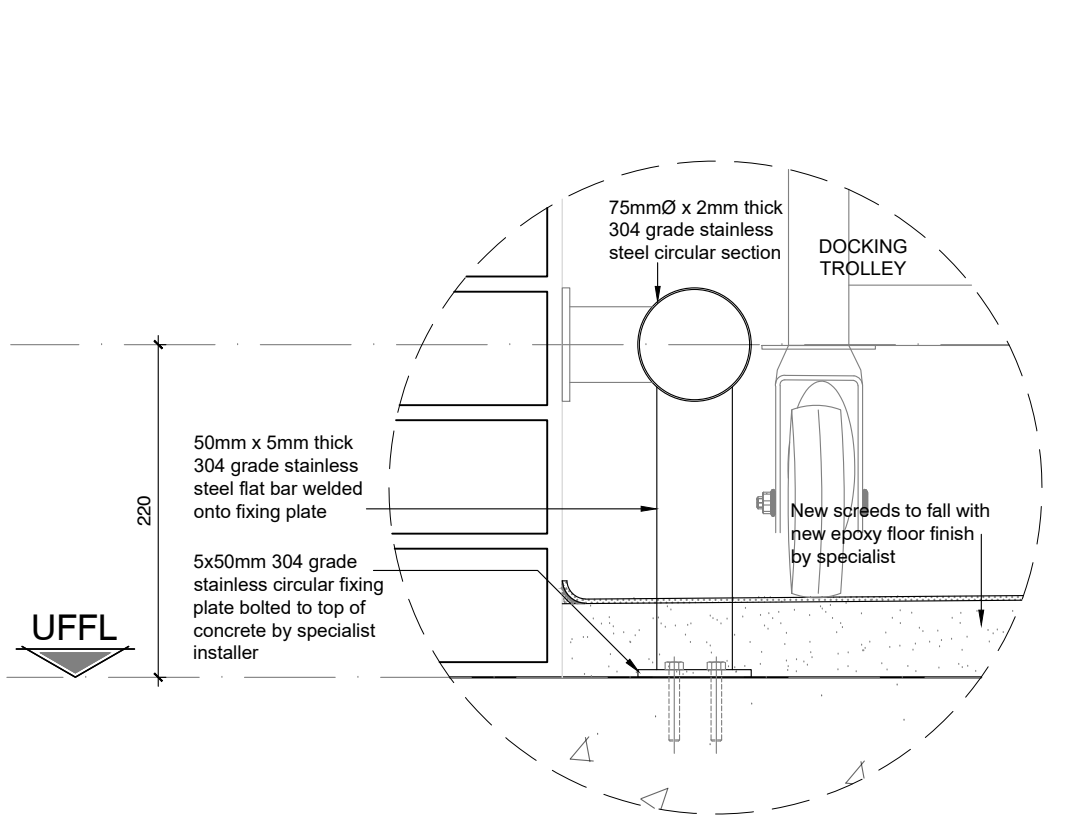


Typical Elevation
Scale 1:20

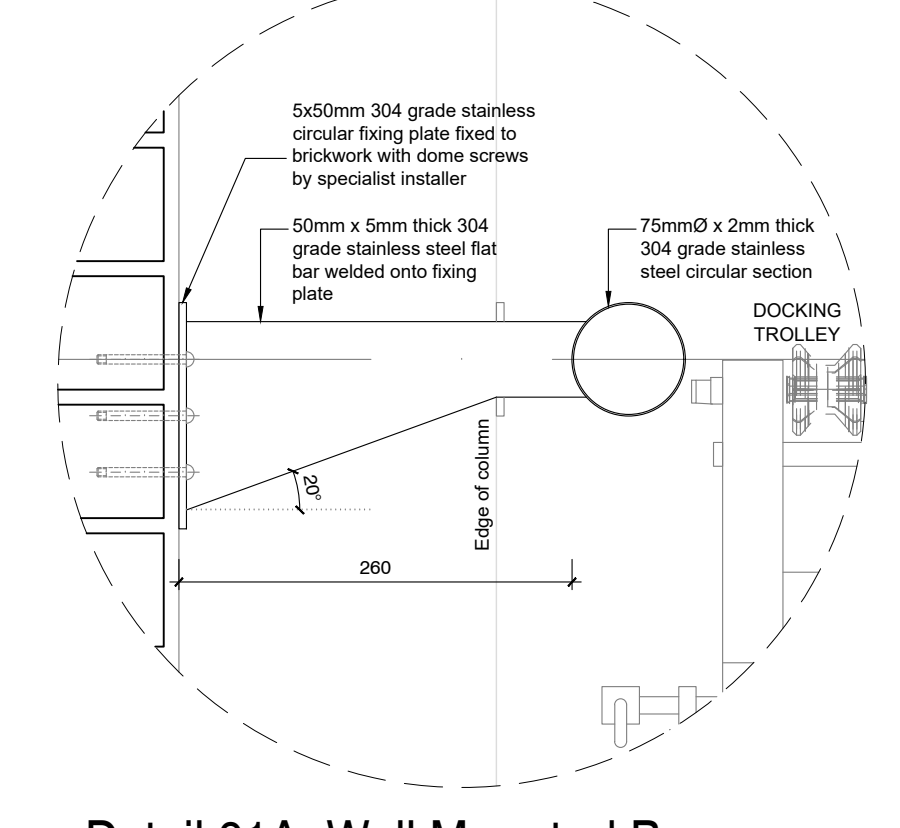
PART FLOOR PLAN - BUMP RAIL LAYOUT
Scale 1:50



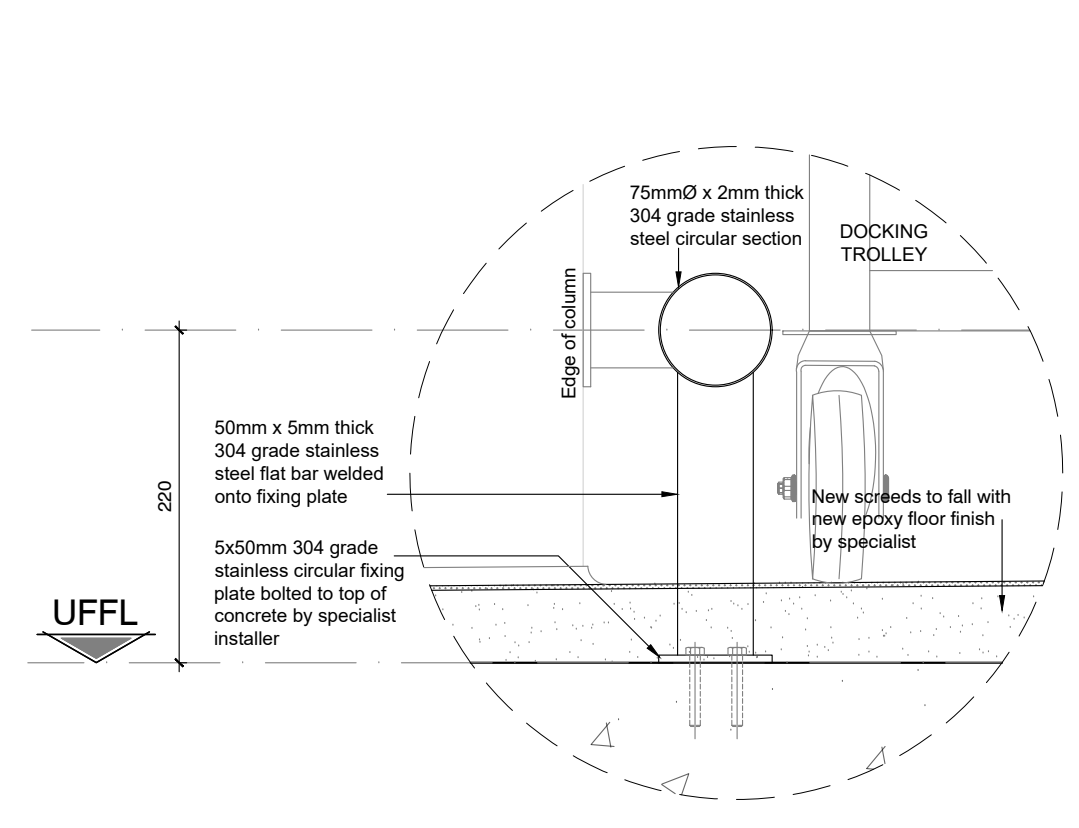
Detail 01: Wall Mounted Bump Rail
Scale 1:5



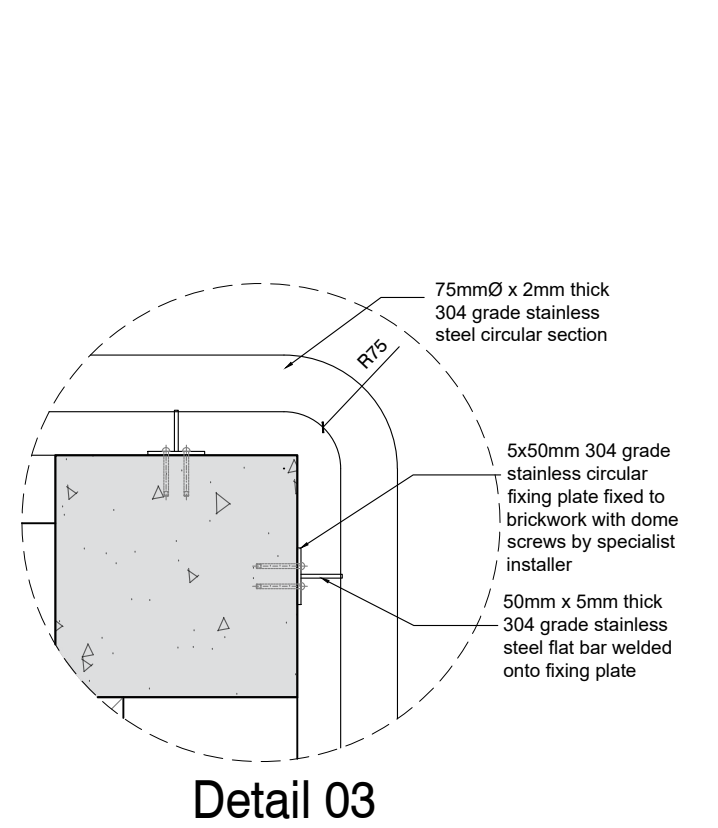
Detail 02: Floor Mounted Bump Rail
Scale 1:5



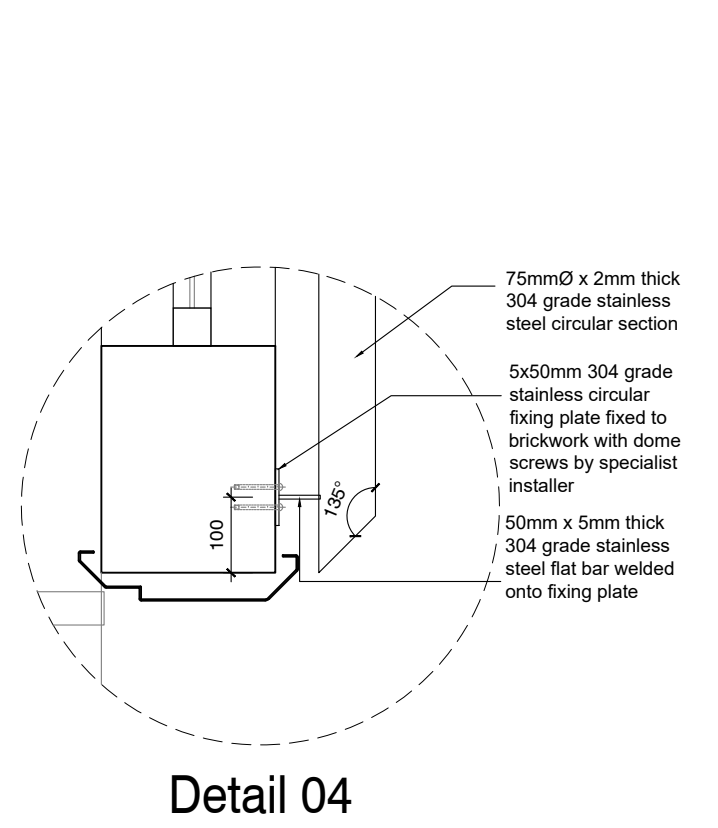
Detail 01A: Wall Mounted Bump Rail
Scale 1:5



Detail 02A: Floor Mounted Bump Rail
Scale 1:5



Detail 03
Scale 1:10



Detail 04
Scale 1:10



Project Title
Improvements, Alterations and Additions at Health Care Facilities in Nelson Mandela Bay Sub District A - New Brighton Forensic Laboratory

Drawing Name
Working Drawings:
BUMP RAIL DETAILS

Issue Date: 08-03-2024
Technician: EM
Checked By: DBA
Drawing Scale: As shown/ 1:50

Drawing Number	MDA447(A6) -203	Rev	1	Rev	2	Rev	3	Rev	4	Rev	5	Rev	6	Rev	7	Rev	8	Rev	9	Rev	10
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ISSUED FOR: TENDER

ANNEXURE B – CIDB ENTERPRISE DEVELOPMENT CO-ORDINATOR

Enterprise Development Co-Ordinator

The Contractor is to price for an Enterprise Development Co-Ordinator, under the Enterprise Development Co-Ordinator item in the Preliminaries section of the Bills of Quantities.

II. The Enterprise Development Co-Ordinator shall

- Develop a project specific Enterprise Development plan to improve the targeted enterprises performance in the identified development areas and shall allocate resources to monitor progress in relation to improved performance; and
- Submit to the Employer's representative a monthly enterprise development report (Proforma -ED105P) which documents all mentoring activities that have taken place during the month and the progress made in improving the targeted enterprise's performance in the agreed developmental area, counter signed by the targeted enterprise.

III. Competence Criteria for the Enterprise Development Co-Ordinator

The enterprise development co-ordinator shall have the following competencies:

- Minimum experience of 5 years in the construction industry at Managerial Level as a Site agent, Contracts Manager, Business Development Manager or Enterprise Development Manager.
- Minimum experience of 2 years in training and development in Building or Construction; and
- National Diploma or B Degree in the Built Environment or Business Management

ANNEXURE C – CIDB B.U.I.L.D TEMPLATE FORMS

Annexure 1 Form A1 List of Recognised Skills Development Agencies

CIDB Recognised Skills Development Agencies								
No	Name of SDA	SDA Registration Number	Status	Recognition Date End	Province	Contact Person	Contact Number	Email Address
01	CIDB SDA	SDA/ZA/16/00001	Active	01/04/2025	National	Pranveer Harriparsadh	012 482 7230	pranveerh@cidb.org.za
02						Thabelo Ramaru	012 482 7249	thabelor@cidb.org.za
03								
04								

FOR ILLUSTRATIVE PURPOSES

Annexure 2 - Form A2 Baseline Training Plan

CIDB SKILLS STANDARD BASELINE TRAINING PLAN

Contractor Details				
Contractor Name:	123Building and construction			
CRS Number:	0000000			
Estimated start date	1 April 2021			
Estimated Completion date	2 May 2022			
Size of Organisation	Small (1-49 employees)	Medium (50-149 employees)	Large (≥150 employees)	
			✓	

Contractor Contact Details	
Name of Contact Person	Mr Xolani Smith
Designation of Contact Person	Construction Manager
Contact Details	Cell Number: XXX XXXX XXX
	Landline Number: XXX XXXX XXX
	Email address: Smith@123building.co.za

Construction Skills Development Goal (CSDG) Baseline Training Plan					
Training Method	Number of Employed Learners	Number of Unemployed Learners	Area/s of Specialisation/Trade	Duration of Placement	Total Notional Cost
Method 1: Skills Programme	1	3	Scaffolding	3 months	R57 000
Method 2: FET College Graduates/ Apprenticeship	0	2	Bricklaying and Plastering	12 months	R92 000
Method 3: P1 and P2 learners or a 240 credit qualification	0	0	-	-	-
Method 4: Candidacy with 360 credit qualification	0	1	Project Management	9 months	R184 500
Total	1	6			R333 500

Note: Refer to Table 3 in the Standard for Developing Skills through Infrastructure Contracts Government Gazette 43495 of 3 July 2020 for the notional costs

Contractor's
Representative
Name: _____

Designation: _____

Signature: _____

Date: _____

Employer's
Representative
Name: _____

Designation: _____

Signature: _____

Date: _____

Annexure 4 - Form A4 Supervisor Agreement

Supervisor/Learner Agreement

Memorandum of understanding between Supervisor and Learner

The Contractor is responsible for the effective management of the learning opportunities provided through the cidb *Standard for the Development of Skills through Infrastructure Contracts* (cidb Skills Standard). The attainment of successful learning outcomes and professional development of the learners is largely dependent on the relationship between the assigned Supervisor and the Learner. As a participant in the implementation of the cidb Skills Standard you agree to the Supervisor relationship and commit to endeavour through the challenges of a construction project to give value to the training programme.

The Responsibilities of a Supervisor to the Learner include:

- stimulating a passion for construction,
- sharing technical and practical knowledge,
- fostering the development of technical and leadership skills,
- facilitating networking within the working community,
- instilling an expectation of personal growth and learning by the Learner,
- developing knowledge and understanding in the areas of health, safety, environment, quality and production,
- inculcating professionalism and a desire for continual improvement by the Learner,
- creating a nurturing relationship that instils a sense of discipline and professional pride,
- giving constructive feedback and
- signing the Learners logbook.

Supervisor's name _____

Signature: _____ Date: _____

The Responsibilities of a Learner are:

- adhere to the Host Employer's onsite rules and policies,
- have an expectation of personal growth and learning,
- to be enthusiastic and motivated,
- to be open and accept supervision from the Supervisor and other colleagues,
- to develop a thorough understanding of health, safety, environment, quality and production,
- to have a positive attitude,
- to display a strong sense of discipline and to be conscious of time management,
- to operate within the team,
- to take the time to learn and practice new skills,

to make time to fill in your logbook and obtain the Supervisor's signature for completed tasks.

Intern's Name: _____ ID No: _____

Signature: _____ Date: _____

