

TENDER

**LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS
RENOVATIONS AND REFURBISHMENT OF THE
HOLDING AREA IN THE ACCIDENT & EMERGENCY
DEPARTMENT
BID NO: SCMU3-25/26-0156-LDH**

NAME OF COMPANY:

CSD Nr:

CRS Nr (CIDB):

CLOSING DATE: Friday 19 June 2026 TIME: 11:00 am

Deliver to:

Bid documents and must be deposited electronically through www.etenders.gov.za

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THE TENDER

PART T1

TENDERING PROCEDURES

PART T1.1: TENDER NOTICE AND INVITATION TO TENDER: BID NO: SCMU3-25/26-0156-LDH

The Eastern Cape Department of Health invites contractors with a CIDB Grading of **CIDB 3GB** or higher to tender for the **LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT** for a **Four-month (4)** contract. The JBCC Edition 6.2 of 2018 and **The Eastern Cape Department of Health** will enter a contract with the successful tenderer.

Bid documents will be available from **Friday 22 May 2026** on www.etenders.gov.za

There will be a compulsory briefing meeting on **Wednesday 3rd June 2026 @ 11h00**, at the **Livingstone Tertiary Hospital, Gqeberha**. Prospective bidders to meet at the **Nurses Home Entrance Foyer**

Queries & Technical enquiries relating to these documents may be addressed in writing to **Mr Valentine Coetzee via email: valentine.coetzee@echealth.gov.za**

The closing time and date for receipt of tenders by **The Eastern Cape Department of Health** is **11:00am on Friday 19 June 2026**. Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted.

Bid documents must be deposited electronically through www.etenders.gov.za clearly marked: **BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT**

Tenders may only be submitted on the tender documentation format as 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>).

B. BID EVALUATION:

This bid will be evaluated in Three (3) Stages as follows:

Stage One: Compliance, responsiveness to the bid rules and conditions

Stage Two: Functionality

Stage Three: 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 Specific 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:

The closing time for receipt of tenders by **The Eastern Cape Department of Health** is **11:00am** on **Friday 19 June 2026**. Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted.

Bids must be deposited electronically through www.etenders.gov.za clearly marked:

BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT

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

Queries & Technical enquiries relating to these documents may be addressed in writing to **Mr Valentine Coetzee** via email: valentine.coetzee@ehealth.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>Triviron Project Management 58 St Peters Road Southernwood, East London</p> <p>Mr. W. Martinson via email: williamm@o-l.co.za</p> <p>Phone No. 043 721 0033</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 3GB 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"> 1. every member of the joint venture is registered with the CIDB; in GB class of works. 2. 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 3GB 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 3. Joint Venture Agreement. 4. 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 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. 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. 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	No alternative tender offers will be considered
4.13.1	Parts of each tender offer communicated on paper shall be submitted as an original. Submit 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 b) the parts communicated electronically by the employer of its agents on paper format with the tender.
4.13.2	Sign the original and all copies of the tender offer where required in terms of the tender data. 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. NOTE The employer holds all authorized signatories liable on behalf of the tenderer.
4.13.3	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. The form of the tender security shall not differ substantially from the sample provided in Annex D of SANS 10845-3.
4.13.4	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: Tender / Bid identification details: BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, QGBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT Closing time and date: As per Tender advertisement
4.13.5	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. <i>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.</i> 2) CIDB Grading certificate or CRS number. 3) COIDA Letter of Good standing from the Department of Labour and/or FEM 4) Copy of the professional registration (OHS - SACPCMP registration) of the OHS Officer who must be employed for the duration of the contract on site (mandatory)
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	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. 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. 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.
4.15.1	The tender offer validity period is 90 days . 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.
4.15.2	Placing of contractors under restrictions / withdrawal of tenders

	<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 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	The Employer will respond to requests for clarification received up to Five (5) working days before the tender closing time. If, because 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.
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> <ul style="list-style-type: none"> a) complies with the requirements of the standard conditions of tender in this part of SANS 10845, b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the tender documents. <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> <ul style="list-style-type: none"> d) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the scope of work, e) significantly change the employer's or the tenderer's risks and responsibilities under the contract, or f) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified. <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	The financial offer will be reduced to a comparative basis using the Tender Assessment Schedule.

	<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> </tbody> </table> <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.</p>	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	$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$	$A = P_m / P$
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	$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$	$A = P_m / P$										
5.7.2	<p>The procedure for the evaluation of responsive tenders is Method 2: Administrative compliance, Functionality, Price and Specific Goals</p> <p>Stage 1: Administrative compliance Stage 2: Functionality: Technical capability, resources & LED (Local Economic Development) Stage 3: Price and specific goals (80/20 system)</p>												
	<p>1. STAGE ONE: ADMINISTRATIVE COMPLIANCE</p> <p>The elimination criteria for STAGE 1: ADMINISTRATIVE COMPLIANCE & SPECIAL BID CONDITIONS is listed in the Part T2 Returnable Checklist</p>												
	<p>2. STAGE TWO: FUNCTIONALITY</p> <p>Stage 2: Functionality: Technical capability, resources & LED (Local Economic Development) Minimum threshold score = 70/100 as listed in the Part T2 Returnable Checklist</p>												
	<p>3. STAGE THREE: EVALUATION POINTS ON PRICE AND SPECIFIC GOALS / PPPFA OF 2022</p> <p>The 80/20 preference point system shall be applied for the purposes of this bid as per the requirements of the <i>Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000)</i> and PPPFA Regulations of 2022</p> <table border="1"> <thead> <tr> <th>Criteria</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>POINTS ON PRICE</td> <td>80</td> </tr> <tr> <td>POINTS FOR SPECIFIC TARGETED GOALS</td> <td>20</td> </tr> <tr> <td>TOTAL</td> <td>100</td> </tr> </tbody> </table> <p>The 80/20 preference point system for acquisition of services, works or goods equals or is less than 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:</p> $A = (1 - \frac{(P - P_m)}{P_m})$ <p>The value of value of W_1 is:</p> <p>1) 90 where the financial value inclusive of VAT of all responsive tenders received have a value in excess of R50 000 000 or</p> <p>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.</p>	Criteria	Points	POINTS ON PRICE	80	POINTS FOR SPECIFIC TARGETED GOALS	20	TOTAL	100				
Criteria	Points												
POINTS ON PRICE	80												
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TOTAL	100												
5.7.3	<p>The procedure for the evaluation of responsive tenders is Method 2: Administrative compliance, Functionality, Price and Specific Goals</p>												

5.7.4	The functionality criteria and maximum score in respect of each of the criteria are as listed in the Part T2 Returnable Checklist
5.7.5	Each evaluation criteria will be assessed as listed in the Part T2 Returnable Checklist
5.7.6	The prompts for judgment and the associated scores used in the evaluation of functionality shall be as listed in the Part T2 Returnable Checklist
5.8	<p>Tender offers will only be accepted if:</p> <ul 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: <ul 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. 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. 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. 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. 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. 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. 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

	<p>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) The Tender is to provide the following in respect of the specialist's subcontractor's as listed in the Part T2 Returnable Checklist</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. Construction Guarantee (10% fixed Construction Guarantee)
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.</p> <ul style="list-style-type: none"> • As listed in the Part T2 Returnable Checklist
2	<p>Returnable Schedules required for tender evaluation purposes.</p> <ul style="list-style-type: none"> • As listed in the Part T2 Returnable Checklist
3	<p>Other documents required for tender evaluation purposes.</p> <ul style="list-style-type: none"> • As listed in the Part T2 Returnable Checklist
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 resolution by its board of directors 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 resolution by its members 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</p> <p>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	Canvassing and obtaining of additional information by tenderers

	<p>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.</p> <p>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</p> <p>The Employer is prohibited to award a tender to a person -</p> <ol style="list-style-type: none"> a) who is in the service of the state; or b) 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 c) 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) a member of:- <ol style="list-style-type: none"> a any municipal council; b any provincial legislature; or c the National Assembly or the National Council of Provinces; d) a member of the board of directors of any municipal entity; e) an official of any Department or municipal entity; f) an employee of any national or provincial department; g) provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999); h) a member of the accounting authority of any national or provincial public entity; or i) 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> <ol 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</p> <p>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</p> <p>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> <ol style="list-style-type: none"> (a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or

	<p>(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> <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	Dispute resolution mechanism will be done through the SCM Department and thereafter the Adjudication route.
14	The department, when it takes action against the tenderer or person awarded the contract on a fraudulent basis, considers the provisions of Regulation 14: The remedies provided for in Preferential Procurement Regulations 2022 do not prevent an institution from instituting remedies arising from any other prescripts or contract.
15	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.

PART T2
RETURNABLE DOCUMENTS

PART T2.1: LIST OF RETURNABLE DOCUMENTS TO BE SUBMITTED WITH BID:

The list contains mandatory & non-mandatory documents & schedules to be completed as portfolio of evidence to determine administrative compliance, achieving the functionality score threshold, and calculation of Price and Specific Goals points

Stage 1: Administrative compliance

Stage 2: Functionality: Technical capability, resources & LED (Local Economic Development)

Stage 3: Price and specific goals (80/20 system)

The bidder shall not proceed to the next stage of evaluation if the bidder fails to comply with the requirements for each stage as listed here below:

STAGE 1: ADMINISTRATIVE COMPLIANCE & SPECIAL BID CONDITIONS (ELIMINATION CRITERIA)					
	PAGE NO.	DESCRIPTION	YES	NO	NA
1.		SBD 1 Part of invitation to bid and terms and conditions for bidding – <i>completed in full and signed (mandatory)</i>			
2.		Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted). (mandatory)			
3.		SBD 4 Declaration of interest - <i>completed in full and signed (mandatory)</i>			
4.		Record of addenda issued (Only if addenda is issued) - <i>completed in full and signed (mandatory)</i>			
5.		Proposed amendments and qualifications - <i>completed in full and signed (mandatory)</i>			
6.		Resolution for Signatory - <i>completed in full and signed (mandatory)</i>			
7.		Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture) - <i>completed in full and signed (mandatory)</i>			
8.		Proof of Registration on the National Treasury Central Supplier Data Base (CSD) Full CSD report) (mandatory)			
9.		Valid CIDB Certificate of Tenderer (mandatory)			
10.		Valid Department of Labour COIDA or FEM Letter of Good Standing Certificate (mandatory)			
11.		Copy of the professional registration certificate (OHS - SACPCMP registration) of the OHS Officer who must be employed for the duration of the contract on site (mandatory)			
12.		Part C1.1 Form of Offer and Acceptance - <i>completed in full and signed (mandatory)</i>			
13.		Part C1.2 Contract Data - <i>completed in full and signed (mandatory)</i>			
14.		Part C2.2 Bills of Quantities (All sections, including P&G's fully priced) (Handwritten Priced. Not typed) (mandatory)			
15.		QUOTATION of specialist subcontractors: Electrical Installation (Copy of quotation attached) - <i>completed in full and signed (mandatory)</i>			
16.		QUOTATION of specialist subcontractor: Mechanical HVAC Installation (Copy of quotation attached) - <i>completed in full and signed (mandatory)</i>			

17.		QUOTATION of specialist subcontractor: Specialist Vinyl Flooring Installation . (Copy of quotation attached) - <i>completed in full and signed (mandatory)</i>			
18.		QUOTATION of specialist subcontractor: Plumbing specialized sanitary ware . (Copy of quotation attached) <i>completed in full and signed (mandatory)</i>			
19.		QUOTATION of specialist subcontractors: New Joinery . (Copy of quotation) - <i>completed in full and signed (mandatory)</i>			
20.		QUOTATION of specialist subcontractors: New Specialist framed glazing panels and doors . (Copy of quotation attached) - <i>completed in full and signed (mandatory)</i>			
21.		QUOTATION of specialist subcontractors: Painting . (Copy of quotation) - <i>completed in full and signed (mandatory)</i>			
22.		QUOTATION of Specialist Subcontractor: New mural wallpaper art panels (Copy of quotation) - <i>completed in full and signed (mandatory)</i>			
23.		QUOTATION of Specialist Subcontractor: New Bed-head trunking for medical gasses (Copy of quotation) - <i>completed in full and signed (mandatory)</i>			
25.		Bidder attended the Compulsory on-site tender briefing session (Bidder completed and signed the attendance Register)			
Bidder complies with Stage 1					
Bidder fails to comply with Stage 1					
Stage 2: Functionality: Technical capability, resources & LED (Local Economic Development)					
Minimum threshold score = 70/100					
	PAGE NO.	DESCRIPTION	Max points	Points scored	
1.		List of Projects completed of a similar nature (Clinics, medical facilities, mortuaries and hospitals) 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. 4 x CERTIFICATES = 40 points 3 x CERTIFICATES = 30 points 2 x CERTIFICATES = 20 points 1 x CERTIFICATE = 10 points <i>(Civil works projects, educational and or non-medical facilities like schools, & housing don't count)</i>	40		
2.		List of resources: Licensed motorized vehicles, trucks, machinery equipment to execute the service.	10		
3.		List of resources: Construction labour forecast schedule	10		
4.		Copy of a quotation from an approved accredited financial service provider for a fixed construction guarantee to the value of 10% of the Tender Offer .	20		
5.		LED (Local Economic Development): Portfolio of evidence of having a full-time operational business premises in Gqeberha (Copy of Municipal Account or Lease Agreement showing address) 20 points for suppliers residing in Gqeberha and 5 points for a supplier outside Gqeberha	20		
Points scored by Bidder for Stage 2: Functionality			100		
Bidder complies with minimum threshold score = 70/100					

Notes:

Stage 3: Price and specific goals (80/20 system)

	PAGE NO.		Max points	Points scored
1.		SBD 6.1 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022	20	
2.		POINTS FOR PRICE	80	
Total Points for Stage 3: Price and specific goals (80/20 system)			100	

NAME OF BIDDER:.....

.....

SIGNATURE OF BIDDER:

DATE:

.....

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g., company resolution)

PART T2.1: LIST OF RETURNABLE DOCUMENTS

As listed in the Part T2 Returnable list

SBD 1 – PART A - INVITATION TO BID / QUOTE

PART A

SBD 1

INVITATION TO BID / QUOTE

CSD registered service providers (CIDB Grading of 3GB Contractor or higher) are hereby invited to bid for the services required by the Eastern Cape Department of Health					
BID NUMBER:	SCMU3-25/26-0156-LDH	CLOSING DATE:	Friday 19 June 2026	CLOSING TIME:	11:00
Compulsory Site briefing meeting	Wednesday 3rd June 2026 @ 11h00 at the Nurses Home Ground Floor Entrance, Livingstone Tertiary Hospital				
DESCRIPTION:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT				
Bid documents must be obtained and deposited electronically through www.etenders.gov.za					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Mr. V. Coetzee	CONTACT PERSON	Mr. V. Coetzee		
TELEPHONE NUMBER	041- 4052148	TELEPHONE NUMBER	041- 4052148		
E-MAIL ADDRESS	valentine.coetzee@echealth.gov.za	E-MAIL ADDRESS	valentine.coetzee@echealth.gov.za		
SUPPLIER INFORMATION					
NAME OF BIDDER (Entity as registered on CSD)					
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 					

NAME OF BIDDER (Entity as registered on CSD)

Ownership Details (as registered on CSD)

Name & Surname	Describe Category of Ownership (HDI, Women, Youth, Disabled, Military Veteran)	ID No.	% Percentage of Ownership

TOTAL OWNERSHIP AS REGISTERED ON CSD

NAME OF BIDDER:.....

.....

SIGNATURE OF BIDDER:

DATE:

.....

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g., company resolution)

PART B

TERMS AND CONDITIONS FOR BIDDING: SCMU3-25/26-0154-NMM

<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>Bid submissions must meet the following special conditions and supporting documents must be submitted with the completed bid document. Failure to comply will automatically eliminate the bid for further consideration:</p> <ol style="list-style-type: none">1. Bidders must be registered with CIDB in the correct grading and class of works as per the tender notice and requirements and the status on CIDB must be active during award stage. It is the responsibility of the bidder to keep the status on CIDB active throughout the bidding process (advert till award stage).2. Bidders must be a legal entity. The CSD report will be used to confirm the legal status.3. The procedure for the evaluation of responsive tenders is Method 2: Administrative compliance, Functionality, Price and Specific Goals Stage 1: Administrative compliance Stage 2: Functionality: Technical capability, resources & LED (Local Economic Development) Stage 3: Price and specific goals (80/20 system)4. The elimination criteria for STAGE 1: ADMINISTRATIVE COMPLIANCE & SPECIAL BID CONDITIONS is listed in the Part T2 Returnable Checklist5. Stage 2: Functionality: Technical capability, resources & LED (Local Economic Development) Minimum threshold score = 70/100 as listed in the Part T2 Returnable Checklist6. Compulsory Enterprise Questionnaire (Completed and signed) (JV partners must complete separate Questionnaire forms and submit) (% split to be indicated for each JV partner)7. 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).

8. 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 e-mailed 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)
9. Due Diligence In-LoCo Inspection of the Bidder / or JV will be carried out as part of the Stage 1 Administrative compliance evaluation. 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:
 10. The existence of the business enterprise as declared on the SBD1 form.
 11. The existence of the resources including plant & equipment, to render the services.
 12. The existence of projects completed by the bidder/JV as declared.
 13. 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.
 14. 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.
 15. The Technical Risk Analysis and In-LoCo inspections can be carried out anytime during or after Stages 1&2 evaluation, before award.
 16. This review and analysis of the priced Bills of Quantities forms part of the process of balancing the priced Bills of Quantities received from bidders considered for award, which is a suspensive condition for award and contract signing. In the event where the analysis of the Bills of Quantities and In-LoCo Inspections find inconsistencies and misrepresentation in terms of what has been declared in the Bid submission, the Bidder may be:
 - eliminated and not be eligible to be evaluated under Stage 2 Price & Specific goals.
 - notified of such inconsistencies and or misrepresentations in writing and allowed 7 (seven) days to rectify and or clarify such.
 17. 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:
 - 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 (10% fixed construction guarantee)
 18. 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.
 19. JBCC 6.2 State Clauses apply to this Bid & Contract.
 20. Bids shall not be awarded to Bidders appearing on the Health Department and/or National/Provincial Treasury Defaulters List.
 21. 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, CIDB B.U.I.L.D 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 contractor's 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 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 PSPs 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 SMMES by employing an SMME Mentor 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.

22. 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.

23. Protection of personal information: Consent (POPIA)

24. 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)

25. 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.

26. Bidders are required to provide information in respect of the specialists' subcontractor's as listed in the Part T2.1 List of returnable documents.

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		BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT	
SCMU NUMBER		BID NO: SCMU3-25/26-0156-LDH	
I / We confirm that the following communications received from the Department of Health 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	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
SCMU NUMBER	BID NO: SCMU3-25/26-0156-LDH

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	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
SCMU NUMBER	BID NO: SCMU3-25/26-0156-LDH

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	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
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SCMU NUMBER	BID NO: SCMU3-25/26-0156-LDH
--------------------	-------------------------------------

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

BID DESCRIPTION	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
SCMU NUMBER	BID NO: SCMU3-25/26-0156-LDH
<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

QUOTATION OF SPECIALIST SUBCONTRACTOR: ELECTRICAL INSTALLATION

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of Specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
We have in-house specialists to execute the works and have attached detailed breakdown of the costs hereto			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No

Signed Date

Name Position

Tenderer.....

...

QUOTATION OF SPECIALIST SUBCONTRACTOR: MECHANICAL INSTALLATION

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of Specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	PRIB

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
We have in-house specialists to execute the works and have attached detailed breakdown of the costs hereto			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No

Signed Date

Name Position

Tenderer.....

...

QUOTATION OF SPECIALIST SUBCONTRACTOR: SPECIALIST VINYL INSTALLATION

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No

Signed

Date

Name

Position

Tenderer.....

QUOTATION OF SPECIALIST SUBCONTRACTOR: PLUMBING

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
We have in-house specialists to execute the works and have attached detailed breakdown of the costs hereto			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No

Price offered (amount in numbers) Excluding VAT.....

Signed Date

Name Position

Tenderer.....

QUOTATION OF SPECIALIST SUBCONTRACTOR: NEW JOINERY.

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No
We have in-house specialists to execute the works and have attached detailed breakdown of the costs hereto			Yes	No

Price offered (amount in numbers) Excluding VAT.....

Signed Date

Name Position

Tenderer.....

QUOTATION OF SPECIALIST SUBCONTRACTOR: NEW SPECIALIST FRAMED GLAZING PANELS AND DOORS

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No
We have in-house specialists to execute the works and have attached detailed breakdown of the costs hereto			Yes	No

Price offered (amount in numbers) Excluding VAT.....

Signed Date

Name Position

Tenderer.....

QUOTATION OF SPECIALIST SUBCONTRACTOR: PAINTIING

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
We have in-house specialists to execute the works and have attached detailed breakdown of the costs hereto			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No

Price offered (amount in numbers) Excluding VAT.....

Signed Date

Name Position

Tenderer.....

QUOTATION OF SPECIALIST SUBCONTRACTOR: NEW MURAL WALLPAPER ART PANELS

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
We have in-house specialists to execute the works and have attached detailed breakdown of the costs hereto			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No

Price offered (amount in numbers) Excluding VAT.....

Signed Date

Name Position

Tenderer.....

QUOTATION OF SPECIALIST SUBCONTRACTOR: NEW BED-HEAD TRUNKING FOR MEDICAL GASSES

Project Name:	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Tender No:	BID NO: SCMU3-25/26-0156-LDH

Name of specialist Subcontractor:	
Address:	
Specialist Subcontractor registration number: if applicable	
Registration body/ association:	

Bidders are required to provide contactable references as below.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD (Start and End Date)	VALUE OF WORK	REFERENCE NAME AND CONTACT NUMBER
Quotation attached (Mark with a X)			Yes	No
We have in-house specialists to execute the works and have attached detailed breakdown of the costs hereto			Yes	No
Specialist Subcontractors CV attached. (Mark with a X)			Yes	No

Price offered (amount in numbers) Excluding VAT.....

Signed Date

Name Position

Tenderer.....

SBD 6.1

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

BID DESCRIPTION	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
SCMU NUMBER	BID NO: SCMU3-25/26-0156-LDH

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 90/10 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 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 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
 - (a) an invitation for tender for income-generating contracts, that either the 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
 then the organ of state must indicate the points allocated for specific goals for both the 90/10 preference point system.

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

(Note to organs of state: Where either the 90/10 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	25% (5)	
Women Ownership	20% (4)	
Youth Ownership	20% (4)	
Disability Ownership	20% (4)	
Military Veterans Ownership	5% (1)	
Locality	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 –
 - (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 PAPERS 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 complete d by the organ of state)	JV/Consortia Member 1 Company Name: Number of points claimed (90/10 system)	JV/Consortia Member 2 Company Name: Number of points claimed (90/10 system)	JV/Consortia Member 3 Company Name: Number of points claimed (90/10 system)	Total number of points claimed by JV/Consortia
Historically Disadvantaged Individuals Ownership	25% (5)				
Women Ownership	20% (4)				
Youth Ownership	20% (4)				
Disability Ownership	20% (4)				
Military Veterans Ownership	5% (1)				
Locality	10% (2)				
TOTAL	100% (20)				

Table 3: 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: 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 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>

Signed Date

Name Position

Tenderer.....

***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
COPIES OF ID'S & LOCALITY, MILITARY VETERANS
(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:

Signed	_____	Date	_____
Name	_____	Position	_____
Name of Bidder & Names of JV Partners	_____		

**PROOF OF COPY OF PROFESSIONAL
REGISTRATION OF THE (OHS - SACPCMP
REGISTERED) OHS OFFICER EMPLOYED ON SITE
DURING THE CONTRACT**

(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:

Signed	_____	Date	_____
Name	_____	Position	_____
Name of Bidder & Names of JV Partners	_____		

Copy of a quotation from an approved accredited financial service provider for a fixed construction guarantee to the value of 10% of the Tender Offer.

(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:

Signed	_____	Date	_____
Name	_____	Position	_____
Name of Bidder & Names of JV Partners	_____		

LED (Local Economic Development): Portfolio of evidence of having a full-time operational business premises in Gqeberha (Copy of Municipal Account or Lease Agreement showing address)

(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:

Signed	.....	Date	.....
Name	.....	Position	.....
Name of Bidder & Names of JV Partners	.....	

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	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT					
SCMU NUMBER	BID NO: SCMU3-25/26-0156-LDH					
<p>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)</p> <p><i>(Civil works projects, educational and or non-medical facilities like schools, & housing don't count)</i></p>						
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:

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:

List of Projects completed of a similar nature (Clinics, medical facilities, mortuaries and hospitals) 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.

3 x CERTIFICATES = 30 points

2 x CERTIFICATES = 20 points

1 x CERTIFICATE = 10 points

(Civil works projects, educational and or non-medical facilities like schools, & housing don't count)

(ATTACH HERE)

Signed

Date

Name

Position

Name of
Bidder &
Names of JV
Partners

**DETAILS OF ALL LICENSED MOTORIZED VEHICLES, TRUCKS
& MACHINERY EQUIPMENT TO EXECUTE THE SERVICE**

**(ATTACH HERE)
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:

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	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
SCMU number	

OFFER

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

BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT

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

.....
Mr. Mongameli Siziba

Capacity:
Senior Finance Manager – Mr. Mongameli Siziba

for the Employer

Livingstone Tertiary Hospital
Eastern Cape Department of Health

(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

<p>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</p>
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A PROJECT INFORMATION

A1.0 Works [1.1]

Project name	BID NO: SCMU3-25/26-0156-LDH: LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Reference number	
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	Motherwell
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	Mr. Mongameli Siziba – Senior Finance Manager – Livingstone Tertiary Hospital

Telephone number	
Physical address	

A4.0 Principal Agent [1.1]

Name	Triviron Project Management (Pty) Ltd		
Legal entity of above	Private Company	Contact Person	Letshego Thagane
Practice number	2006/019791/07	Email Address	letshego@triviron.co.za
Country	Republic of South Africa		
Postal address	SAME AS PHYSICAL ADDRESS		
Physical address	58 St Peters Road Southernwood, East London	Code	5200

A5.0 Agent [1.1]

Discipline	Quantity Surveyor		
Name	Liwani Consulting (Pty) Ltd		
Legal entity of above	Private Company	Contact Person	Siyabulela Dywili
Practice number	2009/180754/23	Email Address	dywilis@liwaniconsulting.co.za
Country	Republic of South Africa		
Postal address	SAME AS PHYSICAL ADDRESS		
Physical address	Donald Square, 2nd Floor, 6 Donald Road Vincent, East London	Code	5247

A6.0 Agent [1.1]

Discipline	Architect		
Name	Osmond Lange Architects		
Legal entity of above	Private Company	Contact Person	Marlene Swinney
Practice number	2000/019680/23	Email Address	marlenes@o-l.co.za
Country	Republic of South Africa		

Postal address	SAME AS PHYSICAL ADDRESS		
Physical address	1 st Floor, Pilot Mill House, The Quarry, Selborne, East London	Code	5247

A7.0 Agent [1.1]

Discipline	Occupational Health and Safety		
Name	Liwani Consulting (Pty) Ltd		
Legal entity of above	Private Company	Contact Person	Siyabulela Dywili
Practice number	2009/180754/23	Email Address	dywilis@liwaniconsulting.co.za
Country	Republic of South Africa		
Postal address	SAME AS PHYSICAL ADDRESS		
Physical address	Donald Square, 2nd Floor, 6 Donald Road Vincent, East London	Code	5247

A8.0 Agent [1.1]

Discipline	Mechanical Engineer		
Name	Risimati Consulting Engineers (Pty) Ltd		
Legal entity of above	Private Company	Contact Person	Xolisile Mnjana
Practice number	2004/003820/07	Email Address:	bongani@mbes.co.za / x.mnjana@gmail.com
Country	Republic of South Africa		
Postal address	SAME AS PHYSICAL ADDRESS		
Physical address	58 St Peters Road Southernwood, East London	Code	5247

A9.0 Agent [1.1]

Discipline	Electrical Engineer		
Name	Risimati Consulting Engineers (Pty) Ltd		
Legal entity of above	Private Company	Contact Person	Lizalisa Mkoka
Practice number	2004/003820/07	Email Address:	lizalisamkoka@gmail.com / lizallmkoka@glmps.co.za
Country	Republic of South Africa		
Postal address	SAME AS PHYSICAL ADDRESS		
Physical address	58 St Peters Road Southernwood, East London	Code	5247

A10.0 Agent [1.1]

Discipline	
------------	--

Name			
Legal entity of above			
Practice number			
Country			
Postal address			
Physical address			

A11.0 Agent [1.1]

Discipline			
Name			
Legal entity of above			
Practice number			
Country			
Postal address			
Physical address			

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
---	--

B 2.0 Law, regulations, and notices [2.0]

Law applicable to the works , state country [2.1]	Republic of South Africa
--	---------------------------------

B 3.0 Offer and acceptance [3.0]

Currency applicable to this agreement [3.2]	South African Rand
--	---------------------------

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 14
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
As per Drawings listed C3.13			

B 5.0 Employer’s Agents [6.0]

Authority is delegated to the following agents to issue contract instructions and perform duties for specific aspects of the works [6.2]
Principal Agent

Principal agent’s and agents’ interest or involvement in the works other than a professional interest [6.3]
None

B 6.0 Insurances [10.0]

Insurances by employer		Amount including tax	Deductible amount including tax
Yes / No:	No		
Contract works insurance:			
	New works [10.1.1] (Contract sum or amount)		
or	Works with practical completion in sections [10.2] (contract sum or amount)		

or	Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works)			
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance			
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance			
	Escalation, professional fees and reinstatement costs if not included above			
Total of the above contract works insurance amount				
Supplementary insurance [10.1.2; 10.2]				
Public liability insurance [10.1.3; 10.2]				
Removal of lateral support insurance [10.1.4; 10.2]				
Other insurances [10.1.5]				
Yes/ No?	No	If yes, description 1		
Yes/ No?	No	If yes, description 2		

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)		N/A	N/A
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]			Yes	
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		
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>All allowances for the safe removal and disposal of asbestos material are deemed to be priced in the removal of existing roofing and other asbestos containing material.</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	<p>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 clinic, in advance. No costs shall be claimable connected thereto.</p>		
Natural features and known services to be preserved by the contractor [12.1.3]		Yes / No?	Yes
If yes, description	<p>Existing services that are to be preserved are indicated in the existing service layout plan.</p>		
Restrictions to the site or areas that the contractor may not occupy [12.1.4]		Yes / No?	Yes
If yes, description	<p>Work areas and restricted areas are defined on the drawing specifying the site establishment.</p>		
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]

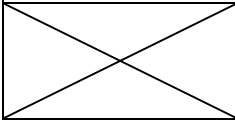
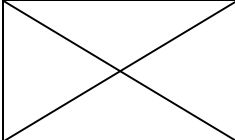
Yes / No?	No	If yes, description of extent of work
		Extent of work [12.1.11]
		Extent of work [12.1.11]
		Extent of work [12.1.11]
		Extent of work [12.1.11]
		Extent of work [12.1.11]

B 11.0 Description of sections [20.1]

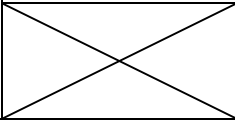
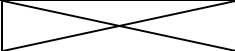
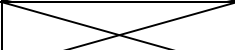
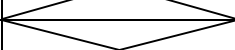
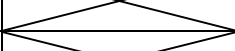
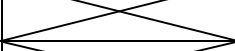
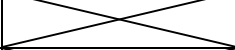
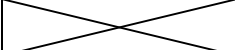
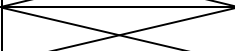

Section 1	Phase 1 and Sectional Completion No. 1 comprised of: Alterations in storeroom and addition of new staff toilet including modifying existing joinery and making good, fitting new doorframe and door in drywalling, installing new sanitaryware and fittings. Brickwork and new door of lift lobby side. Add temporary entrances to existing bathrooms, secure shutter-board hoarding for work around new bathrooms to be constructed. Construction period: 3 weeks
Section 2	Phase 2 and Sectional Completion No. 2 comprise of: Building new male and female bathrooms complete with duct, all doors, sanitaryware and fixtures, ceilings, wall finishes and windows with security screens. Construction period: 4 weeks
Section 3	Phase 3 and Sectional Completion No. 3 comprised of: Demolish further dry-walling and remove door. Extend passage/lobby wall complete with bump-rails, wallpaper mural and basin. Build a new door frame and fit door and extend brick link wall to bathrooms and demolish existing bathrooms complete. New flooring, ceiling, wall mural and bump-rails, new window and security screen to new female ward complete. Fit new burglar bars to existing windows Construction period: 4 weeks
Section 4	
Section 5	

Section 6	
------------------	--

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)
		5 working days	4 Calendar months (shutdown period excluded)	8.5 cents/R100 of Contract Sum

or where **sections** are applicable **N/A**

Practical completion of a section of the works	Intended date of possession of the site Refer B16.0 [B4.1]	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)
Section 1				
Section 2				
Section 3				
Section 4				
Section 5				
Section 6				
Section 7				
Section 8				
Remainder of the				

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?	No	Base Month: N/A
If yes, method to calculate			
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?	Yes
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]		
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 phase. The contractor is to note that the project is being constructed in phases. 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]	<p>Yes</p> <p>The Contractor must price for hoardings etc. to comply with the Construction Regulations 2014 and any other legal requirements or legislation, including his own requirements in the Preliminaries section of the Bills of Quantities. The Contractor must also price the Preliminaries Section of the Bills of Quantities, 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.</p>	

Services - known - specific requirements [B4.6]	Known services are indicated on the services drawings. Existing services are to be protected during the construction period		
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?	No
	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. 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. Scope of Works and Health and Safety Plan which are annexed to this bid document		
Disturbance - specific requirements [B11.5]	Yes. Scope of Works and Health and Safety Plan which are annexed to this bid document		
Environmental disturbance - specific requirements [B11.6]	No specific requirement		

B 17.0 Changes made to JBCC® documentation

Reference may be made to other documents forming part of this agreement
<p>1.1 Definitions</p> <p>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</p> <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>

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:

Hi 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 the appointment of all SMME contractor packages, 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

12.2.3 No Clause

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 per cent (90%) 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

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: As per item 2

AGREEMENT DETAILS

Sections: Total number / not applicable Last Section

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

1.0 GUARANTEE FOR CONSTRUCTION (Variable) Not applicable

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% 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) 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 10 % 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:

4.1 A copy of a first written demand notice issued by the Employer to the Contractor stating that payment of a sum certified by the Principal Agent in an Interim or Final Payment Certificate has not been made in terms of the Agreement and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;



- 4.2 A first written demand notice issued by the Employer to the Guarantor at the Guarantor's Physical Address with a copy to the Contractor stating that a period of seven (7) calendar days has elapsed since the issue of the first written demand notice in terms of 4.1 and that the sum certified has not been paid to date. The Employer herewith calls up this Guarantee for Construction and demands payment of the sum certified from the Guarantor; and
- 4.3 A copy of the applicable payment certificate which entitles the Employer to receive payment in terms of the Agreement of the sum certified in 4.0
- 5.0. Subject to the Guarantor's maximum liability referred to in 1.0 or 2.0, the Guarantor undertakes to pay the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand notice from the Employer to the Guarantor at the Guarantor's Physical Address calling up this Guarantee for Construction stating that:
- 5.1 The Agreement has been terminated due to the Contractor's default and that the Guarantee for Construction is called up in terms of 5.0. The demand shall enclose a copy of the notice of termination; or
- 5.2 A provisional sequestration or liquidation court order has been granted against the Contractor and that the Guarantee for Construction is called up in terms of 5.0. The demand notice shall enclose a copy of the court order.
- 6.0 The aggregate amount of payments to be made by the Guarantor in terms of 4.0 and 5.0 shall not exceed the Guarantor's maximum liability in terms of 1.0 or 2.0.
- 7.0 Where the Guarantor is a registered insurer and has made payment in terms of 5.0, the Employer shall within one hundred and eighty (180) calendar days of receipt of payment submit an expense account to the Guarantor showing how all monies received in terms of the Guarantee for Construction have been expended, or will be expended, and shall refund to the Guarantor any surplus amount. All monies refunded to the Guarantor in terms of this Guarantee for Construction shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date of payment by the Guarantor to the Employer until the date of refund.
- 8.0 Payment by the Guarantor in terms of 4.0 or 5.0 shall be made within seven (7) calendar days upon receipt of the first written demand notice to the Guarantor.
- 9.0 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer deems fit and the Guarantor shall not have the right to claim its release from this Guarantee for Construction on account of any conduct alleged to be prejudicial to the Guarantor.
- 10.0 The Guarantor chooses the Physical Address stated above for all notices and correspondences in relation to this Guarantee.
- 11.0 This Guarantee for Construction is neither negotiable nor transferable and shall expire in terms of either 1.1.4 or 2.1, or payment in full of the Guaranteed Sum or on the Expiry Date, whichever is the earlier, whereafter no claims will be considered by the Guarantor. The original Guarantee for Construction form shall be returned to the Guarantor after it has expired.
- 12.0 This Guarantee for Construction, with the required demand notices in terms of 4.0 or 5.0, shall be regarded as a liquid document for the purpose of obtaining a court order.
- 13.0 Where this Guarantee for Construction is issued in the Republic of South Africa this Guarantee for Construction shall be governed by the laws of the Republic of South Africa. A competent court in the Republic of South Africa shall have sole jurisdiction in terms of this Guarantee for Construction. Where this Guarantee for Construction is issued outside the Republic of South Africa, the laws of the guarantor who issued this Guarantee for Construction shall prevail. A competent court, in the jurisdiction in which the guarantor is domicile shall prevail.

Signed at:

Date:

Guarantor's Signatory 1:

Guarantor's Signatory 2:

Witness:

Witness:

Guarantor's seal or stamp

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. The Contractor shall price the Specialist Subcontract works identified as such in the tender document based on the Specialist Subcontractors quotations plus any profit, attendance and overheads the Contractor may deem necessary

PART C2.2 – BILLS OF QUANTITIES

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 1</u></p>			
<p><u>PRELIMINARIES</u></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</p>			
<p>The JBCC Principal Building Agreement contract data form an integral part of this agreement</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, amended as hereinafter described</p>			
<p>The contractor is deemed to have referred to the above mentioned 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 above mentioned documents</p>			
<p>Carried to Collection</p>			
<p>Section No. 1 PRELIMINARIES PRELIMINARIES Prepared by: Triviron</p>			
		R	

PREAMBLES FOR TRADES

The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. Where such preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications

Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same

The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future

The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained

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 General Preambles

Carried to Collection

Section No. 1
PRELIMINARIES
PRELIMINARIES
Prepared by: Triviron

R

The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

STRUCTURE OF THIS PRELIMINARIES BILL

Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement

Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries

Section C : Any special clauses to meet the particular circumstances of the project

PRICING OF PRELIMINARIES

The contractor is referred to Tender Data Section in BOOK 1 on the Tender Document for Contract Data Information.

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)

SECTION A: PRINCIPAL BUILDING AGREEMENT

- 1 Interpretation (A1-A7)
- 2 Clause 1.0 - Definitions and interpretation
- 3 **Pricing of bills of quantities**

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**Section No. 1
PRELIMINARIES
PRELIMINARIES
Prepared by: Triviron**

R

4 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. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities

5 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

6 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

7 **Abbreviated descriptions**

8 The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice

9 **Legal status of contractor**

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**Section No. 1
PRELIMINARIES
PRELIMINARIES
Prepared by: Triviron**

10 If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:

11 1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement

12 2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons

13 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer

14 F:..... V:..... T:.....

Item

15 **Clause 2.0 - Law, regulations and notices**

16 F:..... V:..... T:.....

Item

17 **Clause 3.0 - Offer and acceptance**

18 F:..... V:..... T:.....

Item

19 **Clause 4.0 - Cession and assignment**

20 F:..... V:..... T:.....

Item

21 Clause 5.0 - Documents

22 Value Added Tax

23 Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)

24 Electronic issue of drawings

25 All drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.6]

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R

**Section No. 1
PRELIMINARIES
PRELIMINARIES
Prepared by: Triviron**

- 26 F:..... V:..... T:.....
- 27 Clause 6.0 - Employer's agents
- 28 Delegated authority
- 29 The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions:
- 30 1. Architect
- 31 Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
- 32 1.1 Duties [6.2] :
- 33 The architect is responsible for the architectural design, functional design and quality inspection of the works
- 34 1.2 Contract instructions [6.2; 17.1]
- 35 1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
- 36 1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
- 37 1.2.3 The site [13.0]
- 38 1.2.4 Compliance with the law, regulations and bylaws [2.1]
- 39 1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

Item

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R

Section No. 1
PRELIMINARIES
PRELIMINARIES
Prepared by: Triviron

- | | | | | |
|----|---|--|--|--|
| 40 | 1.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2] | | | |
| 41 | 1.2.7 Removal or re-execution of work | | | |
| 42 | 1.2.8 Removal or substitution of any materials and goods | | | |
| 43 | 1.2.9 Protection of the works | | | |
| 44 | 1.2.10 Making good physical loss and repairing damage to the works [23.2.2] | | | |
| 45 | 1.2.11 Rectification of defects [21.2] | | | |
| 46 | 1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion | | | |
| 47 | 1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums | | | |
| 48 | 1.2.14 Appointment of a subcontractor [14.0; 15.0] | | | |
| 49 | 1.2.15 Work by direct contractors [16.0] | | | |
| 50 | 1.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0] | | | |
| 51 | 2. Quantity surveyor | | | |
| 52 | 2.1 Duties [6.2] | | | |
| 53 | The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works | | | |
| 54 | 2.2 Contract instructions [6.2; 17.1] | | | |

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Section No. 1
PRELIMINARIES
PRELIMINARIES
Prepared by: Triviron

- 55 2.2.1 No contract instructions delegated to the quantity surveyor
- 56 3. Civil and structural engineer
- 57 Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
- 58 3.1 Duties [6.2]
- 59 The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works
- 60 3.2 Contract instructions [6.2; 17.1]
- 61 3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
- 62 3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
- 63 3.2.3 The site [13.0]
- 64 3.2.4 Compliance with the law, regulations and bylaws [2.1]
- 65 3.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
- 66 3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 67 3.2.7 Removal or re-execution of work
- 68 3.2.8 Removal or substitution of any materials and goods

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- 69 3.2.9 Protection of the works
- 70 3.2.10 Making good physical loss and repairing damage to the works [23.2.2]
- 71 3.2.11 Rectification of defects [21.2]
- 72 3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
- 73 3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums
- 74 4. Mechanical engineer
- 75 Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
- 76 4.1 Duties [6.2]
- 77 The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works ? and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions
- 78 4.2 Contract instructions [6.2; 17.1]
- 79 4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
- 80 4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

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- 81 4.2.3 Compliance with the law, regulations and bylaws [2.1]
- 82 4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
- 83 4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 84 4.2.6 Removal or re-execution of work
- 85 4.2.7 Removal or substitution of any materials and goods
- 86 4.2.8 Protection of the works
- 87 4.2.9 Making good physical loss and repairing damage to the works [23.2.2]
- 88 4.2.10 Rectification of defects [21.2]
- 89 4.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
- 90 4.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums
- 91 5. Electrical engineer
- 92 Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
- 93 5.1 Duties [6.2]

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- 94 The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions
- 95 5.2 Contract instructions [6.2; 17.1]
- 96 5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
- 97 5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
- 98 5.2.3 Compliance with the law, regulations and bylaws [2.1]
- 99 5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
- 100 5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 101 5.2.6 Removal or re-execution of work
- 102 5.2.7 Removal or substitution of any materials and goods
- 103 5.2.8 Protection of the works
- 104 5.2.9 Making good physical loss and repairing damage to the works [23.2.2]
- 105 5.2.10 Rectification of defects [21.2]

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- 106 5.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
- 107 5.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums
- 108 6. Wet services engineer
- 109 Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
- 110 6.1 Duties [6.2]
- 111 The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the works
- 112 6.2 Contract instructions [6.2; 17.1]
- 113 6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
- 114 6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
- 115 6.2.3 Compliance with the law, regulations and bylaws [2.1]
- 116 6.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
- 117 6.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 118 6.2.6 Removal or re-execution of work

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- 119 6.2.7 Removal or substitution of any materials and goods
- 120 6.2.8 Protection of the works
- 121 6.2.9 Making good physical loss and repairing damage to the works [23.2.2]
- 122 6.2.10 Rectification of defects [21.2]
- 123 6.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
- 124 6.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums
- 125 7. Fire consultant
- 126 Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA
- 127 7.1 Duties [6.2]
- 128 The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works
- 129 7.2 Contract instructions [6.2; 17.1]
- 130 7.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement
- 131 7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works
- 132 7.2.3 Compliance with the law, regulations and bylaws [2.1]

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- 133 7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works
- 134 7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 135 7.2.6 Removal or re-execution of work
- 136 7.2.7 Removal or substitution of any materials and goods
- 137 7.2.8 Protection of the works
- 138 7.2.9 Making good physical loss and repairing damage to the works [23.2.2]
- 139 7.2.10 Rectification of defects [21.2]
- 140 7.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion
- 141 7.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums ?
- 142 8. Health and safety consultant
- 143 8.1 Duties [6.2]
- 144 The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works. He shall:
- 145 8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended

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146	8.1.2 Prepare and update the health and safety specification for the works			
147	8.1.3 Agree with the contractor the health and safety plan for the works			
148	8.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations			
149	8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to			
150	F:..... V:..... T:.....	Item		
151	Clause 7.0 - Design responsibility			
152	F:..... V:..... T:.....	Item		
153	Insurances and securities (A8-A11)			
154	Clause 8.0 - Works risk			
155	F:..... V:..... T:.....	Item		
156	Clause 9.0 - Indemnities			
157	F:..... V:..... T:.....	Item		
158	Clause 10.0 - Insurances			
159	F:..... V:..... T:.....	Item		
160	Clause 11.0 - Securities			
161	Guarantee for payment			
162	The employer shall not provide to the contractor a guarantee for payment [11.5.1]. The contractor shall waive his lien or right of continuing possession of the works [11.10]			
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163	Extension of waiver of lien			
164	The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]			
165	F:..... V:..... T:.....	Item		
166	Execution (A12 - A17)			
167	Clause 12.0 - Obligations of the parties			
168	Office accommodation			
169	The contractor shall provide, maintain and remove on practical completion air ventilated office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]			
170	Notice board			
171	The contractor shall erect a notice board. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]			
172	Statutory and other notices			
173	The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard			
174	It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto			
175	F:..... V:..... T:.....	Item		
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176	Clause 13.0 - Setting out			
177	F:..... V:..... T:.....	Item		
178	Clause 14.0 - Nominated subcontractors			
179	F:..... V:..... T:.....	Item		
180	Clause 15.0 - Selected subcontractors			
181	F:..... V:..... T:.....	Item		
182	Clause 16.0 - Direct contractors			
183	Attendance on direct contractors			
184	In respect of direct contractors the contractor shall:			
185	1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials			
186	2. Allow the use of personnel welfare facilities, where provided			
187	3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation			
188	4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1]			
189	F:..... V:..... T:.....	Item		
190	Clause 17.0 - Contract instructions			
191	Site instructions			
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192	Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor			
193	F:..... V:..... T:.....	Item		
194	Completion (A18 - A24)			
195	Clause 18.0 - Interim completion			
196	Clause 19.0 - Practical completion			
197	F:..... V:..... T:.....	Item		
198	Clause 20.0 - Completion in sections			
199	F:..... V:..... T:.....	Item		
200	Clause 21.0 - Defects liability period and final completion			
201	F:..... V:..... T:.....	Item		
202	Clause 22.0 - Latent defects liability period			
203	F:..... V:..... T:.....	Item		
204	Clause 23.0 - Revision of the date for practical completion			
205	Substitution of materials and goods			
206	The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2]			
207	F:..... V:..... T:.....	Item		
208	Clause 24.0 - Penalty for late or non-completion			
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209	F:..... V:..... T:.....	Item	
210	Payment (A25 - A27)		
211	Clause 25.0 - Payment		
212	Prices submitted		
213	Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing		
214	F:..... V:..... T:.....	Item	
215	Clause 26.0 - Adjustment of the contract value and final account		
216	Fluctuations in costs		
217	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]		
218	Tenant installation/user requirements delayed		
219	There is a possibility that certain works related to tenant installation/user requirements may have to be delayed and may consequently not be executed prior to practical completion		
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220 Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works

221 The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission

222 Cost of claims

223 All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs

224 Claims from subcontractors

225 The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]

226 F:..... V:..... T:.....

Item

227 Clause 27.0 - Recovery of expense and/or loss

228 F:..... V:..... T:.....

Item

229 Suspension and termination (A28 - A29)

230 Clause 28.0 - Suspension by the contractor

231 F:..... V:..... T:.....

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232	Clause 29.0 - Termination			
233	F:..... V:..... T:.....	Item		
234	Dispute resolution (A30)			
235	Clause 30.0 - Dispute resolution			
236	F:..... V:..... T:.....	Item		
237	Agreement			
238	The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties			
239	F:..... V:..... T:.....	Item		
240	Contract data			
241	Amendments, modifications, corrections or supplements to the General Preliminaries in Section B should be recorded in the contract data			
	<u>SECTION B: JBCC PRELIMINARIES</u>			
242	Definitions and interpretation (B1)			
243	Clause 1.1 - Definitions			
244	F:..... V:..... T:.....	Item		
245	Clause 1.2 - Interpretation			
246	F:..... V:..... T:.....	Item		
247	Documents (B2)			
248	Clause 2.1 - Checking of documents			
249	F:..... V:..... T:.....	Item		
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250	Clause 2.2 - Provisional bills of quantities			
251	These bills of quantities are provisional			
252	F:..... V:..... T:.....	Item		
253	Clause 2.3 - Availability of construction information			
254	F:..... V:..... T:.....	Item		
255	Clause 2.4 - Ordering of materials and goods			
256	F:..... V:..... T:.....	Item		
257	Previous work and adjoining properties (B3)			
258	Clause 3.1 - Previous work - dimensional accuracy			
259	F:..... V:..... T:.....	Item		
260	Clause 3.2 - Previous work - defects			
261	F:..... V:..... T:.....	Item		
262	Clause 3.3 - Inspection of adjoining properties			
263	F:..... V:..... T:.....	Item		
264	The site (B4)			
265	Clause 4.1 - Handover of site in stages			
266	F:..... V:..... T:.....	Item		
267	Clause 4.2 - Enclosure of the works			
268	Enclosure of work to be as prescribed by the Architect. in the absence of prescribed specification the contractor to allow as per the regulations			
269	F:..... V:..... T:.....	Item		
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270	Clause 4.3 - Geotechnical and other investigations			
271	F:..... V:..... T:.....	Item		
272	Clause 4.4 - Encroachments			
273	F:..... V:..... T:.....	Item		
274	Clause 4.5 - Existing premises occupied			
275	F:..... V:..... T:.....	Item		
276	Clause 4.6 - Services - known			
277	F:..... V:..... T:.....	Item		
278	Management of contract (B5)			
279	Clause 5.1 - Management of the works			
280	F:..... V:..... T:.....	Item		
281	Clause 5.2 - Progress meetings			
282	F:..... V:..... T:.....	Item		
283	Clause 5.3 - Technical meetings			
284	F:..... V:..... T:.....	Item		
285	Samples, shop drawings and manufacturer's instructions (B6)			
286	Clause 6.1 - Samples of materials			
287	F:..... V:..... T:.....	Item		
288	Clause 6.2 - Workmanship samples			
289	F:..... V:..... T:.....	Item		
290	Clause 6.3 - Shop drawings			
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291	F:..... V:..... T:.....	Item	
292	Clause 6.4 - Compliance with manufacturer's instructions		
293	F:..... V:..... T:.....	Item	
294	Deposits and fees (B7)		
295	Clause 7.1 - Deposits and fees		
296	F:..... V:..... T:.....	Item	
297	Temporary services (B8)		
298	Clause 8.1 - Water		
299	F:..... V:..... T:.....	Item	
300	Clause 8.2 - Electricity		
301	F:..... V:..... T:.....	Item	
302	Clause 8.3 - Ablution and welfare facilities		
303	F:..... V:..... T:.....	Item	
304	Clause 8.4 - Communication facilities		
305	F:..... V:..... T:.....	Item	
306	Prime cost amounts (B9)		
307	Clause 9.1 - Responsibility for prime cost amounts		
308	F:..... V:..... T:.....	Item	
309	Attendance on subcontractors (B10)		
310	Clause 10.1 - General attendance		
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311	General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement			
312	F:..... V:..... T:.....	Item		
313	General (B11)			
314	Clause 11.1 - Protection of the works			
315	F:..... V:..... T:.....	Item		
316	Clause 11.2 - Protection/isolation of existing works and works occupied in sections			
317	F:..... V:..... T:.....	Item		
318	Clause 11.3 - Security of the works			
319	F:..... V:..... T:.....	Item		
320	Clause 11.4 - Notice before covering work			
321	F:..... V:..... T:.....	Item		
322	Clause 11.5 - Disturbance			
323	Disturbance			
324	All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever			
325	F:..... V:..... T:.....	Item		
326	Clause 11.6 - Environmental disturbance			
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327	Controlling all forms of pollution	
328	The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc	
329	The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works	
330	F:..... V:..... T:.....	Item
331	Clause 11.7 - Works cleaning and clearing	
332	F:..... V:..... T:.....	Item
333	Clause 11.8 - Vermin	
334	F:..... V:..... T:.....	Item
335	Clause 11.9 - Overhand work	
336	F:..... V:..... T:.....	Item
337	Clause 11.10 - Tenant installations	
338	F:..... V:..... T:.....	Item
339	Clause 11.11 - Advertising	
340	F:..... V:..... T:.....	Item

SECTION C: SPECIFIC PRELIMINARIES

341 Warranties for materials and workmanship

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342 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 final completion of the contract

343 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

344 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

345 F:..... V:..... T:.....

Item

346 Overtime

347 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

348 F:..... V:..... T:.....

Item

349 Cooperation of the contractor for cost management

350 It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget

351 F:..... V:..... T:.....

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352	Overloading			
353	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 eg 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			
354	F:..... V:..... T:.....	Item		
355	Propping of floors below			
356	The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor			
357	F:..... V:..... T:.....	Item		
358	Testing of flat roof waterproofing for watertightness			
359	Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing			
360	F:..... V:..... T:.....	Item		
361	Health and safety			
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362 Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]

363 The contractor shall:

364 1. Comply with the health and safety specification for the works

365 2. Prepare and agree with the health and safety consultant the health and safety plan for the works

366 3. Cooperate with the health and safety consultant in all respects

367 4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification

368 5. Conform to the conditions contained in the employer's health and safety specification

369 F:..... V:..... T:.....

370 Broad based black economic empowerment (BBBEE)

371 Tenders submitted will be evaluated taking into account their empowerment rating

372 The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works

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N/A

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373 The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating

374 F:..... V:..... T:.....

375 Advertising rights

376 The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement

377 F:..... V:..... T:.....

378 Confidentiality

379 The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works

380 No information regarding this project shall be published or disclosed without the prior written consent of the employer

381 F:..... V:..... T:.....

382 Media releases

383 All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer

Item

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384 The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media

385 F:..... V:..... T:.....

386 **C1 CONTRACT DRAWINGS**

The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed.

Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**.

F:..... V:..... T:.....

387 **C2 GENERAL PREAMBLES**

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

F:..... V:..... T:.....

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388 **C3 TRADE NAMES**

Wherever a trade name for any product has been described in the **bills of quantities / lump sum documents**, 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.

F:..... V:..... T:.....

Item

389 **C4 IMPORTED MATERIALS AND EQUIPMENT**

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment 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).

F:..... V:..... T:.....

Item

390 **C5 VIEWING THE SITE IN SECURITY AREAS**

The tenderer must arrange with the responsible officer to obtain permission to enter the **site** for tendering purposes

F:..... V:..... T:.....

N/A

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391 **C6 COMMENCEMENT OF WORKS IN SECURITY AREAS**

As the **works** falls within a security area the **contractor** must give the unit commander or other responsible officer notice before commencement of the **works**. Should the **contractor** fail to make such arrangements, admission to the **site** may be refused and any additional costs will be for the **contractor's** account.

Fixed:____ Value related:_____ Time related:_____

N/A

392 **C7 ENTRANCE PERMITS TO SECURITY AREAS**

IF 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.

Fixed:____ Value related:_____ Time related:_____

N/A

393 **C8 SECURITY CHECK OF PERSONNEL**

The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified.

In the event of the **principal agent** requesting the removal of a person or persons from the **works** for security reasons, the **contractor** shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the **works** and the **site** and/or to any document or information relating to the **works**.
F:..... V:..... T:.....

N/A

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C9 PROHIBITION ON TAKING OF PHOTOGRAPHS

In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister.

The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959.

F:..... V:..... T:.....

C10 HIV/AIDS AWARENESS

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.

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.

N/A

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395 **C10.1 AWARENESS CHAMPION**

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.

F:..... V:..... T:.....

Item

396 **C10.2 AWARENESS WORKSHOPS**

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.

F:..... V:..... T:.....

Item

397 **C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.**

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.

F:..... V:..... T:.....

Item

398 **C10.4 ACCESS TO CONDOMS**

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.

F:..... V:..... T:.....

Item

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399 **C10.5 MONITORING**

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.

F:..... V:..... T:.....

Item

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C11 OCCUPATIONAL HEALTH AND SAFETY ACT

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**.

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.

Prices to Allow for:

1. Principal Contractor
2. All Sub-contractors
3. SMME Sub-contractors

The contractor is referred to the specifications annexed to this tender documents for comprehensive pricing
F:..... V:..... T:.....

Item

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400 **C12 REPORTING BY CONTRACTOR**

The Contractor is required to complete the CONTRACTOR MONTHLY REPORT which is to be submitted together with the Contractor's payment claim. Payment of the Contractor is conditional on this information being accurate and timeously provided. Payment shall be subject to the Employer giving the Contractor a tax invoice for the amount due. The Contractor is to take note of the following requirements -At the bottom of the CONTRACTOR MONTHLY REPORT, the Site Agent, Clerk of Works, CLO or Contractor must sign the document as proof that the people indicated have worked the number of days

F:..... V:..... T:.....

Item

401 **C13 LOCAL LABOUR AND LOCAL BUILDING MATERIALS**

It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Should adequate and appropriate labour not be available within the locality, other labour may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilisation of local labour in the construction process. The contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The contractor shall, in general, maximise the involvement of the local community.

Item

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402 **C14 LOCAL BUILDING MATERIALS**

Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province provided that:

- (a) Such materials comply in all respects with the specific requirements of PW371 specification.
- (b) The availability of such materials shall not adversely affect the desired progress of the specific works.
- (c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof.

F:..... V:..... T:.....

Item

403 **C15 ADMINISTRATION**

The **Contractor** must allow for **all costs** (including any profit and/or attendance) associated with the administration, appointment, training and/or payment of the CLO, Candidate Professionals, Students, EPWP Beneficiaries, APTCOD Learners, Clerk of Works and Steering Committee Members **as applicable** and included in this tender document. This item must be priced within rates or preliminaries, there is no separate line item for this (refer to **PROVISIONAL SUMS & SOCIAL SECTIONS OF THIS BOQ**)

No additional claims in this regard shall be entertained.

F:..... V:..... T:.....

Item

SUMMARY OF CATEGORIES

404 Category : Fixed R.....

Item

405 Category : Value R.....

Item

406 Category : Time R.....

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PRELIMINARIES

PRELIMINARIES

Prepared by: Triviron

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>ALTERATIONS</u>			
	<u>TEMPORARY BARRICADES, SCREENS, ETC</u>			
1	Temporary hoarding of 18mm x 1220 x 2440 shutter board on 76x50 studs and rails, braced and stabilized as required. To be finished with 1 coat of Pink Wood Primer (UC2) followed by 2 coats of Super Acrylic PVA on one side.	m	26	
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Taking out doors, windows, etc, including thresholds, sills, etc, setting aside for re-use and later refixing in new position</u>			
2	Steel window, size 1020 x 510mm high.	No	1	
3	Existing window cill for re-use	No	1	
4	Existing glass shopfront approximately 3800 x 2100mm high.	No	1	
5	Timber single door and steel frame not exceeding 2,5m ² from one brick wall.	No	1	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
6	Drywall partitions 2700m high, including doors, glazed borrowed lights, etc	m	10	
	Carried to Collection			R
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LIVINGSTONE A&E WARD REFURBISHMENTS
NELSON MANDELA BAY METROPOLITAN

7	Neatly cut out existing ceiling on outline of bathroom walls and make good new edges with matching shadow line cornice	m2	13
	<u>Taking out and removing sundry joinery work, fittings, etc</u>		
8	Counter and joinery approximately 5720mm long.	No	1
9	Bedhead trunking and bump rails		Item
10	AC diffuser, lights, nurse call lights		Item
	<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings:</u>		
11	Vinyl tile floor covering.	m2	45
	<u>Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc:</u>		
12	Tiles to walls.	m2	20
	<u>Allow for the careful removal of existing sanitary fittings and replace with new (elsewhere measured) including making safe of water connection and carting away to a dumpsite located by Contractor:</u>		
13	Wash hand basin.	No	2
14	Water closet.	No	2

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ALTERATIONS
Prepared by: Triviron

	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>				
15	25mm screed from floors	m2	2		
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
	<u>Protection of existing work</u>				
16	Allow for protection of existing vinyl flooring		Item		
17	Allow for closing off of all services including making good in bathrooms.		Item		
	<u>Repairs to existing windows</u>				
18	Fitting of new burglar proofing 10 x 10mm black powder coated aluminium solid square tubing fitted to outside of opening window area - equally spaced across the opening at maximum 100mm centres. Window size 2070 x 587mm	No	1		
19	Service existing friction stays and epoxy coated window fasteners and replace where necessary		Item		
	<u>Prepare existing surfaces to receive new paint:</u>				
20	Open damaged area sufficiently to allow repair material to be adequately filled in order to achieve a mechanical bond. Clean away dust, grease and grime from surface. Fill areas with Polycell Polyfilla Masonry Patching Plaster (102003), by using a putty knife or trowel. Smooth off whilst still wet. Allow to dry for 24hours. Patch prime using Professional Gypsum & Plaster Primer (PP 700) and allow 16 hours drying at 23°C. NB: Texture on repaired areas must be finished off to match the existing profile	m2	20		
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			Item		
21	<p><u>Modify existing partitions:</u></p> <p>Existing partitions around patient bathrooms to create temporary entry to patient bathrooms including closing old entrances with 18mm shutterboard on timber studs, and forming new doorways and moving existing doors (temporarily) to new positions</p>				
	<p><u>OPENINGS THROUGH EXISTING WALLS, ETC</u></p> <p><u>Breaking out for and forming openings through brick walls for new doors and frames, including brick lintels, making good cement plaster on one side and into reveals and face brickwork on other side and into reveals and with 20 MPa concrete thresholds with steel trowelled finish (new doors and frames and making good paintwork elsewhere):</u></p>				
22	<p>Opening for timber door with door frame 1350 x 2032mm high overall through one brick wall.</p> <p><u>Breaking out for and forming openings through brick walls for new windows, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and with sloping fibre-cement sills on outside and flat fibre-cement sills on inside (new windows and making good paintwork elsewhere)</u></p>	No	1		
23	<p>Opening for window 1200 x 1200mm high through one brick wall</p>	No	3		
	<p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 REFURBISHMENTS ALTERATIONS Prepared by: Triviron</p>			R	

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ALTERATIONS

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 2</u></p>			
<p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>			
<p><u>PREAMBLES</u></p>			
<p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Proprietary products in descriptions:</u></p>			
<p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p>			
<p><u>Cost of tests:</u></p>			
<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 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>Carried to Collection</p>			
<p>Section No. 2 REFURBISHMENTS CONCRETE, FORMWORK AND REINFORCEMENT Prepared by: Triviron</p>			
		R	

Formwork:

Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.

Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.

Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

25Mpa/19mm Concrete:

1	Beams	m3	3
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TEST CUBES

2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1
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ROUGH FORMWORK (DEGREE OF ACCURACY III)

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**Section No. 2
REFURBISHMENTS
CONCRETE, FORMWORK AND REINFORCEMENT
Prepared by: Triviron**

<u>Rough formwork to sides:</u>					
3	Beams propped up not exceeding 3.5m (Provisional)	m2	15		
<u>REINFORCEMENT (PROVISIONAL)</u>					
<u>High tensile steel reinforcement to structural concrete work:</u>					
4	Various diameter bars	t	0.50		
Carried to Collection					
Section No. 2 REFURBISHMENTS CONCRETE, FORMWORK AND REINFORCEMENT Prepared by: Triviron					R

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CONCRETE, FORMWORK AND REINFORCEMENT

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REFURBISHMENTS

CONCRETE, FORMWORK AND REINFORCEMENT

Prepared by: Triviron

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 3</u></p>			
<p><u>MASONRY</u></p>			
<p><u>PREAMBLES</u></p>			
<p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Proprietary products in descriptions:</u></p>			
<p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p>			
<p><u>Sizes in descriptions:</u></p>			
<p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick.</p>			
<p><u>Face bricks:</u></p>			
<p>Bricks shall be ordered timeously to obtain uniformity in size and colour.</p>			
<p><u>Pointing:</u></p>			
<p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 REFURBISHMENTS MASONRY Prepared by: Triviron</p>			
			R

Samples, etc:

Rates for brickwork, faced brickwork, etc shall include for all required samples.

BRICKWORK IN SUPERSTRUCTURE

Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:

1	Half brick walls.	m2	42
2	One brick walls.	m2	115

FIBRE CEMENT WINDOW CILLS

15mm thick Everite Nutec fibre cement window sills fitted according to Everite "Specification A15" Fit 19x19mm timber scotia (quarter-round) beneath cill overhang (Elsewhere):

3	150mm Wide cills set flat and slightly projecting.	m	4
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MASONRY

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REFURBISHMENTS

MASONRY

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Item No	<u>BILL NO. 4</u>	Quantity	Rate	Amount
	<p><u>WATERPROOFING</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2017 Edition).</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Waterproofing:</u></p> <p>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.</p> <p><u>DAMPPROOFING OF WALLS AND FLOORS</u></p> <p><u>One layer 375 micron SABS approved dampproof course:</u></p>			
1	Under cills.	m	13	
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	<p>Section No. 2 REFURBISHMENTS WATERPROOFING Prepared by: Triviron</p>			

Item No	<u>BILL NO. 6</u>	Quantity	Rate	Amount
	<u>CARPENTRY & JOINERY</u>			
	<u>PREAMBLES</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Joinery:</u>			
	Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.			
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.			
	<u>TIMBER DOORS, WINDOWS, ETC</u>			
	<u>DOORS, ETC</u>			
	<u>SWARTLAND Kayo Semi-solid masonite doors:</u>			
1	40mm Door, size 813 x 2032mm high with edge strips to stiles minimum 19mm thick..	No	1	
	Carried to Collection			R
	Section No. 2 REFURBISHMENTS CARPENTRY AND JOINERY Prepared by: Triviron			

Solid chip-core door with 30mins fire-rating, solid timber edges and masonite facings on both sides. Door weight: minimum 40kg:

2	40mm Door, size 466 x 1900mm high	No	1
3	40mm Door, size 813 x 2032mm high	No	3
4	40mm Door, size 900 x 2032mm high	No	1
5	40mm One & half Door, size 1350 x 2032mm high made up of: 900mm and 450mm solid chip-core doors	No	1

FRAMES, ETC

Swartland:

6	873 x 2094mm Winsters single door frame 86x42. No sill. 19mm timber quadrant to all reveals	No	1
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RAILS, ETC

7	Bumprail made of laminated saligna - standard grade to form: 40 thick x 300mm wide bumprail fixed flush to wall - with top and bottom edges on front face radiused 15mm and screwed and plugged to brickwork with 3 x 8mm diam x 80mm long hilti's. screws every 500mm centre to centre. All fixings to be countersunk and covered with matching wood filler. All timber pieces to be sanded down with 100 grit paper and finish off with 220 grit paper to form a smooth surface suitable for varnishing.	m	47
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CARPENTRY AND JOINERY
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CARPENTRY AND JOINERY

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2017 Edition)</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Descriptions:</u></p> <p>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><u>Note:</u></p> <p>Shop drawings to be provided by supplier for approval by architect prior to installation</p> <p><u>SUSPENDED CEILING</u></p>			
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<p>Section No. 2 REFURBISHMENTS CEILING, PARTITIONS AND ACCESS FLOORING Prepared by: Triviron</p>			

Metal suspended ceilings:

1	Hunter Douglas Luxalon Exterior Closed ceiling system: 150C panels mounted on Luxalon universal carrier system complete with clips and rod hangers suspended maximum 1m from existing concrete waffle slab above. 0.95mm thick aluminium panels, with stove-enameled coating supplied by Facade Architectural Systems	m2	115	
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PARTITIONS, ETC

Drywall partition general specification:

Drywall partitioning and framework in accordance with SANS 082 and SABISA Guideline with galvanized steel studs and cladding each side. All boards taper-edged and joints plastered - all joints staggered. Galvanized steel studs and tracks, and horizontal framing where relevant, shall be channels of profile, size and thickness as recommended by the manufacturer relative to the structural requirements of the installed system.

Studs and horizontal framing shall make provision for electrical conduits as required and wall-mounted fixtures are to be properly supported -see also Detail 6. All external corners, apertures, abutments and door or window openings are to be reinforced. All cladding to be fixed with 25mm drywall screw spacing shall not exceed 220mm c/s and boards are to be fixed to studs and bottom track.

A sample partition area shall be prepared and the standard of materials and workmanship approved before work proceeds. This sample area may form part of the permanent works. Accuracy and permissible deviations are to comply with Grade 1 standard as per SANS 10155 and described in SABISA guideline cl. 2.3.6 Movement joints as per manufacturer. All systems to be installed in accordance with Gyproc's recommendations and to be signed off with SpecSure warranty on completion

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**Section No. 2
REFURBISHMENTS
CEILINGS, PARTITIONS AND ACCESS FLOORING
Prepared by: Triviron**

Gyproc Classic Wall System 51F30S30 consisting of one layer of 12.5mm RhinoBoard® (non-combustible to SANS 10177-5) fixed to both sides of the framework using Gyproc Sharp-point Screws 25 mm (face layer) at maximum 220 mm centres. 51 mm Gypframe® UltraSTEEL® Studs friction fitted into top and bottom 51 mm Gypframe® UltraSTEEL® Tracks at 600 mm centres. Floor and head track fixed with one line of proprietary fixing spaced at maximum 600 mm centres. Gypframe® UltraSTEEL® Deep Track is not required. Apply Gyproc RhinoTape® to all joints and internal corners. No insulation required. Install Gypframe® Corner Bead to all external corners

2	Partitions 2.7m high with bottom and top tracks plugged	m	25
3	Extra over partition 2700mm high for vertical abutment	No	6
4	Extra over partition 2700mm high for corner	No	6
5	Extra over partition 2700mm high for T-intersection	No	3

INSULATION

135mm Non-combustible lightweight fibreglass insulation blanket. All to be fixed in accordance with manufacturers specification:

6	Insulation laid loose on top of brandering and fitted between tie beams including galvanised steel straining wires, laps, etc.	m2	115
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**Section No. 2
REFURBISHMENTS
CEILINGS, PARTITIONS AND ACCESS FLOORING
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Section No. 2

Bill No. 6

CEILINGS, PARTITIONS AND ACCESS FLOORING

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Section No. 2

REFURBISHMENTS

CEILINGS, PARTITIONS AND ACCESS FLOORING

Prepared by: Triviron

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 8</u></p> <p><u>FLOOR COVERINGS, WALL LININGS, ETC</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2017 Edition)</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Cleaning:</u></p> <p>Rates for floor covering shall include for proper cleaning on completion.</p> <p><u>Fixing:</u></p> <p>Floor coverings, wall linings, etc. shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc.</p> <p><u>Sizes:</u></p> <p>Sizes and patterns of vinyl sheeting described hereunder may vary from the final specification.</p> <p>No claim for extras in respect of additional labour or wastage will be entertained should final sizes vary from those described hereunder.</p>			
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<p>Section No. 2 REFURBISHMENTS FLOOR COVERINGS, WALL LININGS ETC Prepared by: Triviron</p>			

Rates:

Rates for vinyl sheeting are deemed to include for laying in patterns in differing contracting colour and in one or alternating tones of colours as any be specified by the Architect.

FLOOR COVERINGS

2mm x 2m Polyflor Classic PUR homogeneous monolayer vinyl sheeting with PUR polyurethane reinforcement cross linked and UV cured surface treatment, manufactured in accordance with ISO 10581 (EN 649) and installed with Polysales recommended adhesive which has been spread using an A2 notched trowel on a previously prepared Class 1 subfloor in accordance with SANS 10070, using a Polysales recommended self-leveller and moisture barrier, including all cutting and waste, rolling the installed sheeting in both directions with a 68kg three-sectional roller immediately after it has been laid into the adhesive, joints must be overlapped, U-shape grooved and heat welded 2/3rds through the thickness of the sheeting, Full installation in strict accordance with manufacturer's instructions by an approved sub-contractor. 10-20mm of the factory edge of vinyl sheeting to be removed before laying. Colour code: 1540 Silent Dove. Welding rods to match existing

1	On floors.	m2	76
2	Coved skirting	m	42

POLISH, SEALERS, ETC

Scrub with neutral detergent and seal with three coats water based polymer emulsion or equally approved sealer:

3	On vinyl flooring.	m2	76
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REFURBISHMENTS
FLOOR COVERINGS, WALL LININGS ETC
Prepared by: Triviron**

Section No. 2

Bill No. 7

FLOOR COVERINGS, WALL LININGS ETC

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REFURBISHMENTS
FLOOR COVERINGS, WALL LININGS ETC
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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 9</u></p>			
<p><u>IRONMONGERY</u></p>			
<p><u>PREAMBLES</u></p>			
<p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Proprietary products in descriptions:</u></p>			
<p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:</p>			
<p><u>Finishes to ironmongery:</u></p>			
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p>			
<p>BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 REFURBISHMENTS IRONMONGERY Prepared by: Triviron</p>			
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Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories.

Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories.

HINGES, BOLTS, ETC.

1	102 x 75 x 3mm DBB-SS-009 Ball bearing butt hinges	Pairs	8.0
2	Adjustable stainless steel roller bolt (Code: DBC-SS-022).	No	1
3	153mm manual flush-bolt with heel (Code: DFB-SC-180)	No	1
4	Dust proof strike (DPS-SS-032)	No	1

CATCHES, CABIN HOOKS, ETC

5	DHC-SS-030A Hat and Coat Hook	No	4
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LOCKS

6	Bathroom Sash Lock (Code: D035S SS)	No	1
7	Narrow Stile Hook Lock Operating with European Profile Cylinder. Case dimensions (mm) 174H x 45D. Forend dimensions (mm) 290H x 22W. Backset 35mm. 18mm Throw Stainless Steel	No	1
8	63mm five pin Euro-profile Double Cylinder Key to Differ Satin Nickel (Code: DDC056301)	No	1
9	Bathroom indicator st/steel (Code: DWC-005)	No	1
10	Bathroom deadlock (Code: DMWC-SS-008)	No	1

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REFURBISHMENTS
IRONMONGERY
Prepared by: Triviron**

LIVINGSTONE A&E WARD REFURBISHMENTS
NELSON MANDELA BAY METROPOLITAN

11	Cylinder sash lock (Code: D036S SS)	No	2
12	Rebate conversion kit for Euro Profile locks (Code: D038R NP)	No	1
13	5-pin Euro-profile double cylinder (Code: DDC056301)	No	2
<u>HANDLES</u>			
14	TH1230 BP WC RH S.S Lever handle on 170 x 170 plate with bathroom/WC furniture	Sets	1.0
15	20 x 40mm Rectangular Flush Pull handle code: D02935 SS	No	2
16	Oval flush pull handle(Code: DFP-SS-024)	No	5
17	TH120BP Cyl SS lever handle on 170x170mm backplate with cylinder cutout	No	1
18	DCE-105 S.S dormakaba Narrow Stile Cylinder escutcheon Stainless Steel	No	1
19	41mm euro-profile single cylinder (Code: DSC054101KD)	No	1
<u>PUSH PLATES AND KICK PLATES</u>			
20	Kick plate: 300x813x1.2mm thick Grade 430 stainless steel plate screwed with 6mm diameter x 25mm Stainless Steel screws. Plate to have 12 countersunk holes for screw fixing (Code: DKP-430-SF 300)	No	1

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21 Cyl SS lever handle on 170x170mm backplate (Code: TH120BP)

No 1

LETTERS, NAMEPLATES, ETC.

All signage specifications to be in line with SABS Standards and to comply with all SANS Regulations.

Manufacturers to provide guarantees on all items and art work for weather proofing and UV protection. All fixing details to be in accordance with Engineer's recommendations and manufacturers specifications.

22 170mm high x 640mm wide x 3mm thick clear Perspex name plate with reverse vinyl sticker lettering. 40mm black letters on frosted white background. Nameplate to be drilled csk for 6 off 5x19mm brass csk screws and fixed at handle height. Perspex plate to be pre-drilled to take countersunk screws

No 1

23 150 x150 male pictogram sign stainless steel (to Male bathroom) (DSS-130M)

No 1

24 150 x150 female pictogram sign stainless steel (to Female bathroom) (DSS-131F)

No 1

SUNDRIES

Manufactured by "Dormakaba" or similar approved:

25 Floor mounted door stop plugged to floor (Code: DDS-SS-017).

No 1

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REFURBISHMENTS
IRONMONGERY
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IRONMONGERY

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IRONMONGERY
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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 10</u></p>			
<p><u>METALWORK</u></p>			
<p><u>PREAMBLES</u></p>			
<p>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2017 Edition)</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>Descriptions</p>			
<p>Descriptions of bolts shall be deemed to include nuts and washers.</p>			
<p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.</p>			
<p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.</p>			
<p>NOTE: All steel will be galvanised unless otherwise stated.</p>			
<p><u>Reference to drawings and details:</u></p>			
<p>Where drawings and/ or details have been referred to Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.</p>			
<p><u>Descriptions of bolts, anchors, etc.:</u></p>			
<p>Unless otherwise described, descriptions of items shall be deemed to include for fixing to brickwork or concrete.</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 REFURBISHMENTS METALWORKS Prepared by: Triviron</p>			
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Where item are described as "bolted", the bolts are measured elsewhere.

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.

Items described as 'holed for bolt(s)' shall be deemed to exclude the bolts unless otherwise described.

Fixing:

Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres.

Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass shall be laminated performance glass as shown on the window schedules appended to these bills of quantities (as described in the headings to window descriptions). Glass thickness shall comply with SAGGA regulations irrespective of thickness shown on the schedules. 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.

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.

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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.

ALUMINIUM WINDOWS, DOORS, ETC

ALUMINIUM SLIDING DOORS

Aluminium installation to comply with AAAMSA performance criteria to A3 performance in accordance with SANS 613:2011. Glazed in accordance with SANS 10160:2010, SANS 10137:2002, SANS 10400 (part n of section 3) and SANS 1263-1:2006. Clip-on Glazing beads with gasket seals, plugged to surrounding brickwork. Hollow extruded with mechanically cleated corners and all fittings to be corrosion resistant. All junctions to be water proof. Silicone seal around shopfront on completion.

Powder coated HBS Nuklip Galaxy Slider System with Explorer High-security application door & panel (XO). 120mm outer frame with 45x85mm stiles and double hook lock with keyed locking for high security. Rubber seals on interlocks.

1	Purpose made door, 3000 x 2125mm high	No	1	
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ALUMINIUM WINDOWS

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	<u>Black powder coated aluminium framed window with 3 narrow side hung sections (2 left, 1 right opening) able to withstand wind pressures of 1000pa in accordance with sans 613 glazed in accordance with sans 10160:2010, sans 10137:2002, sans 10400:2010 (part n of section 3) and sans 1263-1:2006, plugged and screwed to brickwork Hollow extruded with mechanically cleated corners and all fittings to be corrosion resistant. All junctions to be water proof. Silicone seal around window on completion</u>			
2	Side hung aluminium window, size 500 x 600mm high.	No	2	
	<u>HBS Nuklip purpose-made fixed light with 170mm mid-bar. Clip-on Glazing beads with gasket seals, plugged to surrounding brickwork. Hollow extruded with mechanically cleated corners and all fittings to be corrosion resistant. All junctions to be water proof.</u>			
3	Purpose made aluminium window, size 1650 x 1790mm high.	No	1	
	<u>ALUMINIUM ANGLES</u>			
4	Powder-coated 50x50mm aluminium angles, mitred at corners, and fixed to walls at 300mm centers with 6 x 40mm hilti's	m	74	
5	Stainless steel angle on external corners: 40mm x 40mm angle x 270mm high x 1.2mm thick grade 304 stainless steel , fixed with 3x6mm stainless steel counter-sunk screws to each side	No	7	
6	Stainless steel angle on ends: 40mm x 35mm angle x 270mm high x 1.2mm thick grade 304 stainless steel , fixed with 3x6mm stainless steel counter-sunk screws to front face	m	3	
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GALVANISED PRESSED STEEL DOOR FRAMES

1,2mm Rebated steel door frames suitable for 110mm walls:

7	Frame for door 813 x 2032mm high	No	3
8	Frame for door 1350 x 2032mm high	No	1
9	Frame for door 466 x 1900mm high	No	1
10	Frame for door 900 x 2032mm high	No	1

SECURITY GATES, SCREENS, ETC

Galvanised steel security gates:

Note: The contractor is to check on site measurements before placing of order.

11	Clearvu gate size: 3000 x 2125mm high with screens bolted to floorslab including Sliding gate frame: 75x50x3mm with Clearvu mesh with guides and cylinder lock. Beam over to carry sliding track : to engineer's specification built into brickwork on both sides, with 75x75x3mm posts and Clearvu mesh infill	No	1
12	Clearvu gate, size: 3357 x 3000mm high with screens bolted to floorslab including Sliding gate frame: 75x50x3mm with Clearvu mesh with guides and cylinder lock. Beam over to carry sliding track Beam over to carry sliding track : 160x80x5mm built into brickwork Beam over to carry sliding track : 160x80x5mm built into brickwork, with 75x75x3mm posts and Clearvu mesh infill	No	1

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METALWORKS
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13	Clearvu gate, size: 3094 x 3000mm high with screens bolted to floorslab including Sliding gate frame: 75x50x3mm with Clearvu mesh with guides and cylinder lock. Beam over to carry sliding track Beam over to carry sliding track : 160x80x5mm built into brickwork Beam over to carry sliding track : 160x80x5mm built into brickwork, with 75x75x3mm posts and Clearvu mesh infill	No	1
14	Security frame to Window 2 as detailed. Refer to Dwg No. 240028-PRF-37-803	No	2
15	Security frame to Window 3 as detailed. Refer to Dwg No. 240028-PRF-37-803	No	1

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METALWORKS

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REFURBISHMENTS

METALWORKS

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 11</u></p>			
<p><u>PLASTERING</u></p>			
<p><u>PREAMBLES</u></p>			
<p>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2017 Edition)</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Moisture tests:</u></p>			
<p>Before any finishes, coverings, etc. are applied to screeds, plastering, etc. or any other in-situ finish moisture tests are to be carried out to the complete satisfaction of the Principal Agent to ensure that these surfaces have the correct moisture content for the finish to be applied.</p>			
<p><u>Labours, etc.:</u></p>			
<p>Labours such as fair, rounded and chamfered edges, trowel cuts, throats, V-joints, angles, etc. shall be deemed to be included in the descriptions.</p>			
<p><u>Cement plaster:</u></p>			
<p>Unless otherwise described, cement plaster shall be taken to mean Class 1 cement plaster.</p>			
<p><u>Self - levelling screed:</u></p>			
<p>To Contractor's expense should Grade 1 variance in F1 above not be achieved. Grind & prime existing surface with self-leveling Tal-Screed Master or equal & approved - thickness between between 4 to 5mm.</p>			
<p><u>SCREEDS</u></p>			
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Screeds with compressive strength of minimum 25Mpa steel trowelled on concrete:

1 60-80mm Thick screed on floors and landings.

m2

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PLASTERING
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INTERNAL PLASTER

15mm plaster composed of 1 part cement to 4 parts sand, steel floated to smooth finish followed by two coats Gyproc skim coat finish plaster:

2	On walls	m2	121
3	On cills	m2	2

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PLASTERING
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PLASTERING

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REFURBISHMENTS

PLASTERING

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>TILING</u>			
	<u>PREAMBLES</u>			
	The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2017 Edition)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing:</u>			
	Unless described as 'fixed with adhesive to plaster (plaster elsewhere)' descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.			
	Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key - coat.			
	Ceramic, tiles are to be fixed and grouted with suitable adhesives and grouts from the Professional range of products as recommended by the manufacturer of the tiles.			
	<u>WALL TILING</u>			
	<u>Allow R200/m2 for tiles only excl.vat - gloss white ceramic tiles to architect's approval:</u>			
1	On walls	m2	3	
2	On narrow widths.	m2	1	
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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 13</u></p>			
<p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p>			
<p><u>PREAMBLES</u></p>			
<p>The Tenderer is referred to the relevant Clauses in the document Model Preambles for Trades (2017 Edition)</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>References to details and drawings:</u></p>			
<p>Where drawings and/ or details have been referred to Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.</p>			
<p><u>Wire gratings:</u></p>			
<p>Descriptions of gutter outlets etc. shall be deemed to include wire balloon gratings.</p>			
<p><u>Stainless steel basins, sinks, wash troughs, urinals, etc.:</u></p>			
<p>Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0) Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc. shall be Type 304 (18/8) Stainless steel for laboratory sinks, photographic equipment, etc. shall be Type 316 (18/8) Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.</p>			
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Sealing of edges:

Outer edges of sinks, basins, baths, urinals, etc. are to be sealed against adjacent surfaces with approved silicone.

uPVC pipes and fittings:

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 or sealed with butyl rubber rings.

uPVC pressure pipes and fittings:

Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings. Pipes of 63mm 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.

High density polyethylene (HDPE) pipes and fittings:

Pipes shall be type IV and of the class specified with Plasson or Alprene compression fittings.

Polycop polypropylene pipes:

Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with Fast-fuse heat welded thermoplastic or where so described Polylock compression fittings. 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.

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PLUMBING AND DRAINAGE
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Copper pipes:

Pipes shall be hard drawn and half-hard Maksal pipes of the class described. 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.

Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc. to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition.

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing' and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained.

Fixing of pipes:

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc., casting in, building in or suspending not exceeding 1m below suspension level.

Paper wrapping to pipes:

Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings.

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**Section No. 2
REFURBISHMENTS
PLUMBING AND DRAINAGE
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Disinfection of water pipework:

Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere).

SANITARY FITTINGS, TANKS, GEYSERS, ETC

Supply and fix the following sanitary fittings, geysers and equipment together with loose ancillary fittings supplied therewith, including unloading, storing, unpacking, hoisting or lowering as required, fixing and building into position, cutting all mortices and chases as required for fixing and building in position, cutting, brackets, clamps, etc., and connecting up pipework and handing over in perfect working order at completion:

1	Semi-rectangular medical wall hung basin with no tapholes, no overflow nor chain stay hole. Dimensions: 490Lx575Wx210H. Code: 702804WH. 10 Year Lixil Africa warranty. Mounted using 8448Z000/N 10mm Basin Bolts - set of 2	No	1
2	Hand Sanitiser Dispenser, Elbow Operated - code 2120125 manufactured in Grade 304 stainless steel. The unit shall be fitted with a hingSemi-rectangular medical wall hung basin with no tapholes, no overflow nor chain stay hole. Dimensions: 490Lx575Wx210H. Code: 702804WH.ed elbow action lever and a holder to suit a 500ml refillable pump action plastic bottle. Unit to be fitted to wall using 6mm screws and wall plugs	No	1
3	Stratos Paper Towel Dispenser STRX600: Code: 2120038 Surface mounted paper towel dispenser, manufactured from Grade 304 1,2mm Stainless Steel; satin finished with surface treatment - InoxPlus (anti fingerprint). Cylinder lock with Franke standard key. capacity of 300 - 400 towels Dimensions: 300 x 134 x 305	No	1

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**Section No. 2
REFURBISHMENTS
PLUMBING AND DRAINAGE
Prepared by: Triviron**

4	Rodan Waste Bin For Wall Mounting RODX605 Code: 2120097 Waste Bin for wall mounting, 0.8 mm grade 304 Stainless Steel, surface satin finished. Rounded edges, approx. 23 litre capacity, mounting either with mounting bracket or directly onto the wall, includes Stainless Steel screws and dowels. Dimensions: 355 x 168 x 460	No	1
5	Welcome Close coupled toilet suite. Top, dual flush capability with 3L and 6L flush available. Box rim. Package includes cistern and cistern fittings, pan, seat and cover, connector, and installation manual. Cistern manufactured with left hand side inlet hole only Code: 772664WH	No	1
6	Rodan Double Toilet Roll Holder with Spindle (Dimensions: 144 x 138 x 301) for wall mounting, Grade 304 Stainless Steel 0.8 mm Material thickness Stainless Steel, surface satin finished, folded front cover, cylinder lock with Franke standard key. For 2 rolls with max. Ø 120 mm, Includes Stainless Steel screws and dowels. Code: RODX672	No	1
7	Model CMPX592 vandal-resistant Wall Hung WC Pan. Manufactured from pressed Grade 304 (18/10) Stainless Steel, 360x500x350mm. Back entry unit supplied with 3mm thick Stainless Steel wall fixing bracket and fitted in accordance with manufacturers specifications using 4 x 8mm anchor bolts. Supplied with 250mm st/steel extension pipes on inlet and outlet. No seat	No	2
8	Recessed toilet roll holder code: 359635, built into wall 118 ø x 110mm manufactured from Grade 304 (18/10) Stainless Steel, 2mm gauge. Unit with 20mm flange and 2 off x M10 threaded rods for bolting the unit through the wall	No	2

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Section No. 2
REFURBISHMENTS
PLUMBING AND DRAINAGE
Prepared by: Triviron

LIVINGSTONE A&E WARD REFURBISHMENTS
NELSON MANDELA BAY METROPOLITAN

9	SAPSDF Combination Wash Hand Basin Drinking Fountain. 370x490x125mm. Grade 304 18/10 Stainless Steel complete with Walcro metering push-button demand tap, and fixing lugs built securely into brickwork - fitting recessed 125mm	No	2
10	Vandalproof shower head, single-function, chrome. Includes: 1/2" BSP male inlet, minimum flow pressure 50 kPa. Code: KP2-6/N	No	2
11	Surround Wall Mount Basin 390x322x600 mm with a 150mm splashback manufactured from Grade 304 (18/10) Stainless Steel 1.2mm gauge in a satin finish. The unit has a pressed bowl 360x280x140mm deep and a polished outer casing with a 40 degree angled base with an inspection panel with security screws. Unit complete with a 40mm perforated waste outlet. Code: 2520023	No	1
12	Medical elbow-action, wall-type mixer, Basin Mixer WT fixed spout 15mm CP chrome- heavy pattern. Includes: 1/4" turn ceramic disc, 1/2" BSP male inlet, and aerated fixed straight outlet. SANS 226	No	1
<u>TAPS, VALVES, ETC.</u>			
<u>Valves, etc.</u>			
13	Basin waste, unslotted with flanged back nut and washer, and plug. 62mm diam flange, 77mm long shank. 1 ¼ BSP Male iron connection end. Polymer back nut. Code: 308/N.	No	4
14	155S Shower demand tap (vandal-resistant) - (15mm) BSP, "built-in" with sleeve, DZR brass shower metering valve with internal flow control, strainer, no-hold feature and water saving shut-off. (High risk vandal resistant applications)	No	2

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Section No. 2
REFURBISHMENTS
PLUMBING AND DRAINAGE
Prepared by: Triviron

15	Rada Meynell 15/3 - (15mm) point of use thermostatic mixing valve - serving both shower taps. Supplied complete with white plastic outer casing and integral check valves and strainers	No	2
16	106C - (25mm) BSP, concealed, DZR brass toilet flushing valve mounted inside duct with stainless steel pan adaptor, and 'VR' button to be mounted above pan-see detail layout. (Operating pressure: 30kpa - 600kpa)	No	2
17	Code: 510-21/HP. Ball-O-Stop ball valve, with green rubber-coated zinc plated steel lever, brass. Includes: 1/2 female connections. SANS1056-3:2016 Installed in ceiling space above the fitting x 2	No	1
18	Angle Valve code: 232-10/NV Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G ½ x G ½ BSP connections.	No	1
19	O.R. temperature gauge - (15mm) back entry connection. (Dial size: 80mm) fitted to exit pipe on mixer	No	2

WASTE UNIONS, TRAPS, ETC.

20	Universal Bottle trap, with adjustable telescopic waste connection pipe. 1 ¼ BSP female inlet connection. 1 ¼ BSP male iron outlet connection. Brass body. with waste adaptors as required. Maximum flow rate +/- 37.5 l/min for trap alone. Code: 340/N	No	1
----	--	----	---

FLOOR DRAINS

21	Grade 304 stainless steel RO100 shower trap with round top flange and cover plate with slots suitable for epoxy floor covering, size 100ø x150mm deep, with 50.8mmø horizontal side outlet. NB- position of coring in existing waffle slab for shower drain to be confirmed by engineer on site. Cover to be fitted with anti-theft security screws	No	2
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**Section No. 2
REFURBISHMENTS
PLUMBING AND DRAINAGE
Prepared by: Triviron**

SANITARY PLUMBING

PVC-U soil and vent pipes

22	15mm Pipes	m	24
23	15mm Pipes chased into brickwork	m	18
24	25mm Pipes	m	10

Extra over PVC-U soil and vent pipes for fittings

25	15mm Bend	No	6
26	15mm Junction	No	5

WATER SUPPLIES

Holes, chases, etc., are deemed to be included in the descriptions of the pipework.

Class 2 copper pipes:

27	15mm Pipes	m	6
28	22mm Pipes	m	6

Extra over polypropylene pipes for brass compression fittings

29	15mm Pipe fittings	No	4
30	22mm Pipe fittings	No	6

Class 1 copper pipes

31	15mm Pipes fixed to walls, etc.	m	15
32	22mm Pipes	m	7

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Section No. 2
REFURBISHMENTS
PLUMBING AND DRAINAGE
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VIP Ventilation pipes and turbine complete including fittings, wall brackets, etc. and setting in concrete slabs

33 160mm Air vent pipe 3.5m long with galvanised turbine ventilator at top.

No

3

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**Section No. 2
REFURBISHMENTS
PLUMBING AND DRAINAGE
Prepared by: Triviron**

Section No. 2

Bill No. 12

PLUMBING AND DRAINAGE

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**Section No. 2
REFURBISHMENTS
PLUMBING AND DRAINAGE
Prepared by: Triviron**

Item No	<u>BILL NO. 14</u>	Quantity	Rate	Amount
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2017 Edition)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Float glass:</u>			
	The term 'float glass' is used for monolithic annealed glass.			
	<u>GLAZING TO ALUMINIUM WITH CLIP ON BEADS</u>			
	<u>6.38mm Laminated safety clear glass:</u>			
1	Panes exceeding 2m ² and not exceeding 4m ² .	m2	6	
	<u>12.38mm High impact (HI) laminated safety glass:</u>			
2	Panes exceeding 2m ² and not exceeding 4m ² .	m2	3	
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	Section No. 2 REFURBISHMENTS GLAZING Prepared by: Triviron			

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 15</u></p>			
<p><u>PAINTWORK</u></p>			
<p><u>PREAMBLES</u></p>			
<p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>PREPARATORY WORK TO EXISTING WORK</u></p>			
<p><u>Previously painted plastered surfaces</u></p>			
<p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth.</p>			
<p><u>Previously painted metal surfaces</u></p>			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal.</p>			
<p><u>Previously painted wood surfaces</u></p>			
<p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth.</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 REFURBISHMENTS PAINTWORK Prepared by: Triviron</p>			
			R

Painting specification:

All painting shall be done in accordance with SABS specifications unless otherwise described.

Colours:

Unless otherwise described, all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SABS 1091.

When staining timber, the resultant colour or shade must be to the complete satisfaction of the Principal Agent before any overcoating or preservative is applied.

ON INTERNAL FLOATED PLASTER SURFACES

Prepare surfaces and remove all loose material, apply one coat plaster primer UC 56 and finish with two coats double velvet paint on:

1	On walls.	m2	208		
2	In narrow widths.	m2	56		
3	Previously painted surfaces in good condition	m2	30		
4	Previously painted surfaces in poor condition	m2	60		
5	Patched plaster areas	m2	20		
<u>Prepare and apply one coat Sigmacover 280 primer thinned 10% with Sigma 91/92 thinners and two coats Sigmashield 880 to RAL colour. Colour to Architect</u>					
6	On walls	m2	47		

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**Section No. 2
REFURBISHMENTS
PAINTWORK
Prepared by: Triviron**

7	<p><u>Ensure wall is dry and free of grease. Apply A.Shal (pty) ltd 'PlasterKey' universal water-based bonding agent mixed in accordance with manufacturer's instructions, and applied using a blockbrush. Apply bagging (2 cement : 1 sand mix) using blockbrush in circular motions. Allow to dry completely and paint with 2 coats Super Acrylic PVA. Colour: White.</u></p> <p>On walls</p>	m2	30		
<u>ON PLASTERBOARD SURFACES</u>					
8	<p><u>Prepare and apply two coats walls and ceilings (EPL), (Colour: white):</u></p> <p>Ceilings and cornices.</p>	m2	29		
9	<p><u>Apply Gyproc Rhinotape to all joints and internal corners. Allow for Gypframe corner bead to all external corners, embedded in skim coat. All screw heads to be spotted. Apply 1 layer of Gyproc Rhinolite plaster to the entire surface of the drywall. The surface shall be completely smooth and free of any marks and surface blemishes. Apply a coat of oil-based plaster primer before final decoration. Finish with 2 coats Double Velvet paint. Colour to architect</u></p> <p>Dry walls</p>	m2	23		
<u>ON METAL SURFACES</u>					
10	<p><u>Prepare surfaces and apply epoxy according to Architect's paint schedule:</u></p> <p>Floors</p>	m2	8		
<u>ON WOOD SURFACES</u>					
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<p>Section No. 2 REFURBISHMENTS PAINTWORK Prepared by: Triviron</p>					

	<u>Sand down, prepare surface, apply wood primer and finish with 2 coats Super Universal Enamel paint (Colour to Architect):</u>				
11	Doors	m2	49		
12	Timber scotia	m2	2		
	<u>Timber must be clean, dry, free from dust, dirt, grease & oil. Varnish with 2 coats of Woodcare Exterior Varnish (WSP23 Suede clear) allowing first coat to dry completely, and lightly sanding again before final coat - all in accordance with specification</u>				
13	Timber bump rails	m2	17		
	<u>ON NUTEC-CEMENT SURFACES</u>				
	<u>Prepare and apply 2 coats Super Universal Enamel paint (Colour to Architect):</u>				
14	Cills	m2	1		
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	Section No. 2 REFURBISHMENTS PAINTWORK Prepared by: Triviron				R

Section No. 2

Bill No. 14

PAINTWORK

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**Section No. 2
REFURBISHMENTS
PAINTWORK
Prepared by: Triviron**

Item No	<u>BILL NO. 16</u>	Quantity	Rate	Amount
	<u>PAPERHANGING</u>			
	<u>PAPERHANGING TO NEW WORK</u>			
	<p><u>Large format wallpaper mural in "Duramatt" fabric from wallpaperonline.co.za to suit 3.5m x 3m high. Wide-format panels to be supplied (1.2m) Ensure painted wall is smooth and dry, and free of any dust or dirt. All fixtures (such as switch covers etc.) to be removed prior to papering and cutouts created on completion. Ensure overlap and splice of each sheet, applying mural with manufacturer approved wallpaper paste, mixed according to manufacturer's instructions. Ensure alignment to pattern match and smooth out any bubbles with a soft cloth immediately. Excess paste to be wiped off gently with a clean damp cloth as soon as possible. Trim any excess paper at the top and bottom of each drop using a sharp knife as well as the overlap. Smooth the paper from the middle out, using enough pressure to force the bubbles out through the edges. Edges to be silicone sealed on completion:</u></p>			
1	On plastered walls including narrow widths	m2	21	
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	<p>Section No. 2 REFURBISHMENTS PAPERHANGING Prepared by: Triviron</p>			

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	Section No. 2 REFURBISHMENTS Prepared by: Triviron		

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>CLOSED CIRCUIT TELEVISION (CCTV)</u>			
1	Supply and install 4U equipment cabinet c/w cover plates and rails etc		SUM	
2	Network video recorder for up to 32 channels, c/w expandable ram and enough hard drive storage for up to 90 days and provide full resolution		SUM	
3	24 port 10/100/1000 ethernet switch (PoE) c/w network and fibre modules as required, patch panels and brush panels (provide full resolution)		SUM	
4	Supply and install 3kVA UPS c/w with batteries for up to 30 minutes	No	1	
5	Supply and install a robust rack mounted workstation host PC, Intel Core i7, Windows 10 64bit, Dual 256bit Display, 1TB OS, 8GB Ram, Keyboard & Mouse or similar approved.	No	1	
6	Supply and install 32-inch commercial monitors c/w with accessories such as HDMI and other accessories	No	1	
7	Supply and install 2MP dome cameras specified	No	11	
8	Allow for commissioning of the installation as well training of the client personnel		SUM	
9	Supply and install Cat 6 network cable	m	400	
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	Section No. 3			
	ELECTRICAL INSTALLATION			
	CLOSED CIRCUIT TELEVISION (CCTV)			
	Prepared by: Triviron			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>LIGHTING INSTALLATION</u>			
1	Supply and install TYPE B luminaire	No	15	
2	Supply and install TYPE C luminaire	No	5	
3	Supply and install motion sensors	No	4	
4	Supply and install one lever, one-way switch completes with wall box and cover plate	m	3	
5	Supply and install two lever, one-way switch completes with wall box and cover plate			SUM
6	Supply and install one lever, two-way switch completes with wall box and cover plate			SUM
7	1.5mm ² conductor	m	300	
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	Section No. 3			
	ELECTRICAL INSTALLATION			
	LIGHTING INSTALLATION			
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Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>PANIC ALARM INSTALLATION</u>			
1	Supply and install an emergency bedhead unit in the bedhead duct, bathrooms and security areas		SUM	
2	Supply and install over-door alarm lights for emergency nurse call		SUM	
3	Supply and install ceiling alarm lights for emergency nurse call		SUM	
4	Supply and install main station for the emergency nurse call system including power supply and required accessories	m	300	
5	Commissioning and training of client personnel		SUM	
6	Supply and install Cat 6	m	300	
7	Commissioning and training of client personnel		SUM	
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	Section No. 3			
	ELECTRICAL INSTALLATION			
	PANIC ALARM INSTALLATION			
	Prepared by: Triviron			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>POWER INSTALLATION</u>			
1	Supply and install isolator for aircon		SUM	
2	Supply and install horizontal aluminium bedhead ducting complete with all accessories including emergency, light and riser		SUM	
3	Supply and install socket outlet points		SUM	
4	2.5mm ² conductor	m 300		
5	Test and issuing of electrical certificate of compliance		SUM	
6	Supply and installation of 20mm PVC conduit complete with accessories		SUM	
7	Supply and installation of 20A single pole circuit breaker	No 2		
8	Supply and installation of 20A single pole circuit breaker Supply and installation of 20A single pole circuit breaker	No 2		
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	ELECTRICAL INSTALLATION			
	POWER INSTALLATION			
	Prepared by: Triviron			

SECTION SUMMARY - ELECTRICAL INSTALLATION

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Section No. 3 ELECTRICAL INSTALLATION Prepared by: Triviron			

Item No	Bill 1: Preliminary and General	Quantity	Rate	Amount
1	Technical Submissions		SUM	
2	Transport		SUM	
3	User Client Training		SUM	
4	Operating & Maintenance Manuals and As Built (Hard & Soft Copies)		SUM	
5	Testing and Commissioning		SUM	
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Section No. 4 MECHANICAL INSTALLATION PRELIMINARY AND GENERAL Prepared by: Triviron				

Item No		Quantity	Rate	Amount
<u>Bill 2: HVAC Equipment</u>				
<u>FAN SCHEDULE</u>				
1	FC1- Ceiling mounted Extract Fan with a duty of 40l/s @ 50 pa C/W , electrical box, motion controlled	No	1	
2	EAF1 - Silent 250dia. ducted fan 150l/s @ 100Pa, 1440rpm c/w 1 x 1.50 Sound attenuators with pods and electrical box.	No	1	
<u>DIFFUSION AND GRILLES</u>				
3	SAD1 - New Circular 200 dia. neck CAV Standard 2.5kW Re-Heat Diffuser - hospital white c/w lockable dampers, 1.5m flexible ducting Brian Rickard or Equally approved.	No	2	
4	DV1 - Disc Valves 200 dia. neck Metal Power coated- Hospital White, TROX or Equally approved, 1.5m Flexible ducting	No	2	
5	Removal of standard circular CAV Standard Diffuser - hospital white c/w lockable dampers, 1.5m flexible ducting	No	2	
6	Relocation of standard circular CAV diffusers - hospital white	No	3	
7	WL1 - Weather louvre (300X250) c/w vermin proof screen, storm and ver resistant	No	1	
8	Wall mounted thermostat for diffuser re-heaters	No	1	
<u>DUCTWORK</u>				
<u>Rectangular galvanized low pressure ducting supported from structural steel via hangars and 8mm threaded bar</u>				
9	Removal of insulated Category 1 ducting	m2	5	
10	New Insulated Category 1 ducting	m2	5	
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Section No. 4 MECHANICAL INSTALLATION HVAC EQUIPMENT Prepared by: Triviron				

LIVINGSTONE A&E WARD REFURBISHMENTS
NELSON MANDELA BAY METROPOLITAN

11 New Un-Insulated Category 1 ducting

m2

5

Extra over for low pressure ducting

12 Category 1 - Stop ends, Radius bends, Square bends, 45° bends,
15° bends, 90° bends, transformations, trouser & shoes pieces

No

5

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Section No. 4
MECHANICAL INSTALLATION
HVAC EQUIPMENT
Prepared by: Triviron

Section No. 4

Bill No. 2

HVAC EQUIPMENT

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Section No. 4
MECHANICAL INSTALLATION
HVAC EQUIPMENT
Prepared by: Triviron

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Item No		Quantity	Rate	Amount
<u>Bill 3: Medical Gas Equipment</u>				
<u>Terminal Units</u>				
<u>Medical gas specific terminal units to BS EN 737, labelled, including guide end piece valve filter, fixed on to the provided bed head trunking and final termination of pipes to the terminal units</u>				
1	Oxygen	No	7	
2	Vacuum	No	7	
<u>Pipework</u>				
<u>Medical grade copper tubes with brazed joints in accordance with BS EN 737-1 and BS EN 13348</u>				
3	OD 12,7mm	m	60	
<u>Pipework Fittings - Tees</u>				
<u>Medical grade copper brazed joints in accordance with BS EN 737-1 and BS EN 13348</u>				
4	OD12,7mm	No	14	
<u>Pipework Fittings - Reducers</u>				
<u>Medical grade copper brazed joints in accordance with BS EN 737-1 and BS EN 13348</u>				
5	15 - 12mm	No	14	
<u>Pipework Fittings - Bends</u>				
<u>Medical grade copper brazed joints in accordance with BS EN 737-1 and BS EN 13348</u>				
6	OD12,7mm	No	14	
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Section No. 4 MECHANICAL INSTALLATION MEDICAL GAS EQUIPMENT Prepared by: Triviron				

Pipework Fittings - Couplings

Medical grade copper brazed joints in accordance with BS EN 737-1 and BS EN 13348

7	OD12,7mm	No	14		
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**Section No. 4
MECHANICAL INSTALLATION
MEDICAL GAS EQUIPMENT
Prepared by: Triviron**

Section No. 4

Bill No. 3

MEDICAL GAS EQUIPMENT

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Section No. 4
MECHANICAL INSTALLATION
MEDICAL GAS EQUIPMENT
Prepared by: Triviron

SECTION SUMMARY - MECHANICAL INSTALLATION

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Section No. 4 MECHANICAL INSTALLATION Prepared by: Triviron			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>OCCUPATIONAL HEALTH AND SAFETY</u>			
	<u>SHE BOQ</u>			
1	Allow for the necessary Workman's Compensation Fund or FEM contributions for the duration of the project with and including renewals.	Item		
2	Allow for the preparation and approval of project-specific H&S Plan & File [CR 7(1)(a)].	Item		
3	Allow for the implementation and maintenance of project-specific H&S Plan & File. [CR 7].	mnths	5	
4	Allow for the appointment of a Full-Time Competent Construction Health & Safety Officer/CHSO registered with SACPCMP (who has 3 or more years working experience) to assist in the control of all health and safety related aspects on site as per [CR 8(5)].	mnths	5	
5	Allow for provision of telecommunication facilities for the appointed Construction Health & Safety Officer.	mnths	5	
6	Allow for provision of Basic Emergency Preparedness and Response equipment & at least Level 3 First Aider/s, first aid box, and fire extinguishers.	Item		
	<u>Provide, supply and maintenance for each worker the following SANS approved personal protective equipment & clothing as per the site-specific risk assessments:</u> <u>(Including but not limited to the following).</u>			
7	Hard Hats (High Density polyethylene, & 6-point lining)	Item		
8	Overall/work suit (100% Cotton), with reflective strips and company name.	Item		
	Carried to Collection			R
	Section No. 5 OCCUPATIONAL HEALTH AND SAFETY SHE BOQ Prepared by: Triviron			

LIVINGSTONE A&E WARD REFURBISHMENTS
NELSON MANDELA BAY METROPOLITAN

9	Safety boots/shoes (Steel-Toe)	Item
10	Breathalyzer	Item
11	Safety gloves (normal safety gloves)	Item
12	Ear plugs/muffs	Item
13	Any respiratory protection (minimum of FFP2)	Item
14	Safety goggles (for eye when needed)	Item
15	Air Horn for emergency evacuation	Item
16	High visibility reflective vests for employees and visitors	Item
17	Personal fall arrest and rescue equipment with and including lifelines and associated equipment.	Item
18	Allow for pre-medical examinations	Item
19	Allow for exit medical examinations	Item

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Section No. 5
OCCUPATIONAL HEALTH AND SAFETY
SHE BOQ
Prepared by: Triviron

Section No. 5

Bill No. 1

SHE BOQ

COLLECTION

Total Brought Forward from Page No.

**Page
No**

114

115

Amount

Carried to Final Summary

R

Section No. 5
OCCUPATIONAL HEALTH AND SAFETY
SHE BOQ
Prepared by: Triviron

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	42	
2	REFURBISHMENTS	100	
3	ELECTRICAL INSTALLATION	105	
4	MECHANICAL INSTALLATION	113	
5	OCCUPATIONAL HEALTH AND SAFETY	116	
	TOTAL BUILDING WORKS		R
	<u>CONTINGENCIES</u>		
	Provide 5% of Total Construction Cost (Excl. Vat) for contingencies to be used at the Employer`s discretion.	%	
	TOTAL CONSTRUCTION COSTS (Excluding VAT)		R
	VAT at the rate of 15%		R
	Carried to Form of Tender		R
	Prepared by: Triviron		

PART C3

SCOPE OF WORKS

Phase 1 and Sectional Completion No. 1 comprised of:

Alterations in storeroom and addition of new staff toilet including modifying existing joinery and making good, fitting new doorframe and door in drywalling, installing new sanitaryware and fittings. Brickwork and new door of lift lobby side. Add temporary entrances to existing bathrooms, secure shutter-board hoarding for work around new bathrooms to be constructed. Construction period: 3 weeks

Phase 2 and Sectional Completion No. 2 comprise of:

Building new male and female bathrooms complete with duct, all doors, sanitaryware and fixtures, ceilings, wall finishes and windows with security screens. Construction period: 4 weeks

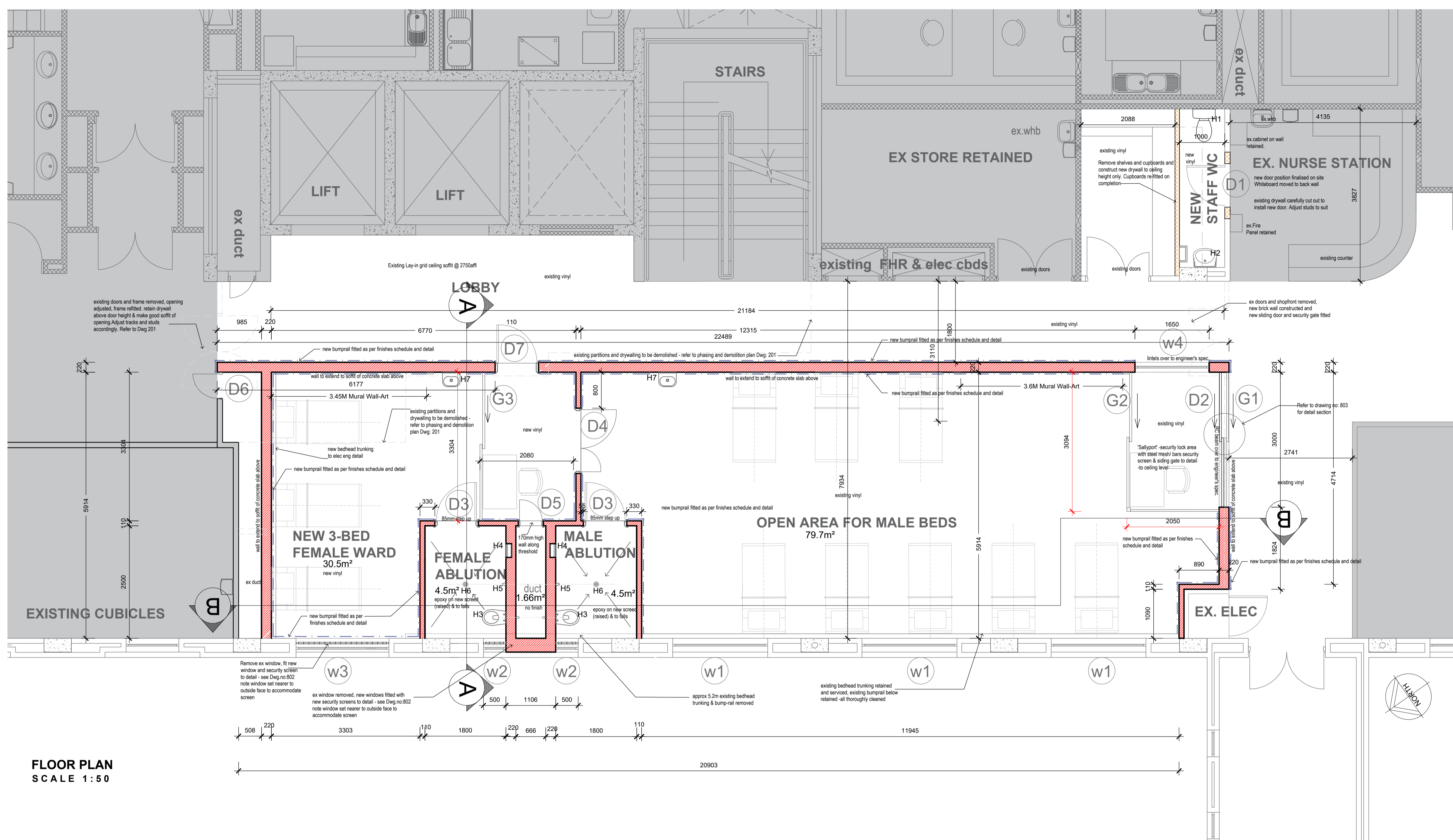
Phase 3 and Sectional Completion No. 3 comprised of:

Demolish further dry-walling and remove door. Extend passage/lobby wall complete with bump-rails, wallpaper mural and basin. Build in new door frame and fit door and extend brick link wall to bathrooms and demolish existing bathrooms complete. New flooring, ceiling, wall mural and bump-rails, new window and security screen to new female ward complete. Fit new burglar bars to existing windows Construction period: 4 weeks

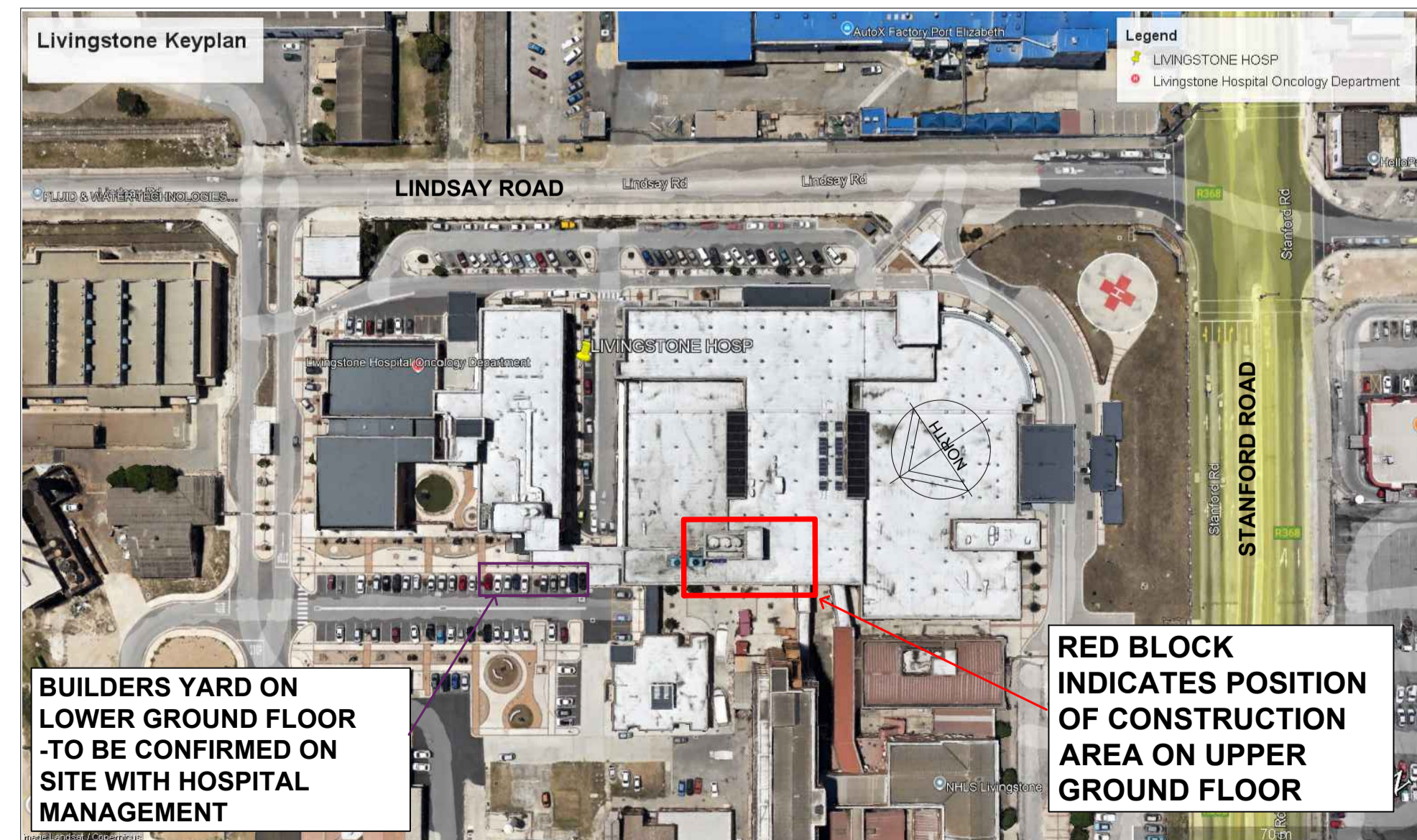
C4.1 SITE INFORMATION

Bid Description:	LIVINGSTONE HOSPITAL, GQBERHA: REPAIRS RENOVATIONS AND REFURBISHMENT OF THE HOLDING AREA IN THE ACCIDENT & EMERGENCY DEPARTMENT
Project Number:	BID NO: SCMU3-25/26-0156-LDH

ANNEXURE A – DRAWINGS



FLOOR PLAN
SCALE 1:50



SITEPLAN
SCALE 1:2000

SANS 10400 PART A: OCCUPANCY CODE: E2 (HOSPITAL)

NOTES

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Rev	Date	Revision
01	14-05-2025	Add security gates & extra door in female ward, duct walls increase to 220mm add window on passage side, add bump rails

Project
ECDOH PMU-2 PRF-37
INFRASTRUCTURE IMPROVEMENTS AT LIVINGSTONE HOSPITAL A&E HOLDING AREA

Title
FLOOR PLAN AND SITEPLAN

Scale	Date	Drawn	Checked
1:50	2025-03-28	MS	WAM

FOR TENDER

DRAWING No
240028-PRF37-200

REVISION
 01

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Rev	Date	Revision
01	15-05-2025	Phasing updated to suit new layout

Project
ECDOH PMU-2 PRF-37 INFRASTRUCTURE IMPROVEMENTS AT LIVINGSTONE HOSPITAL A&E HOLDING AREA

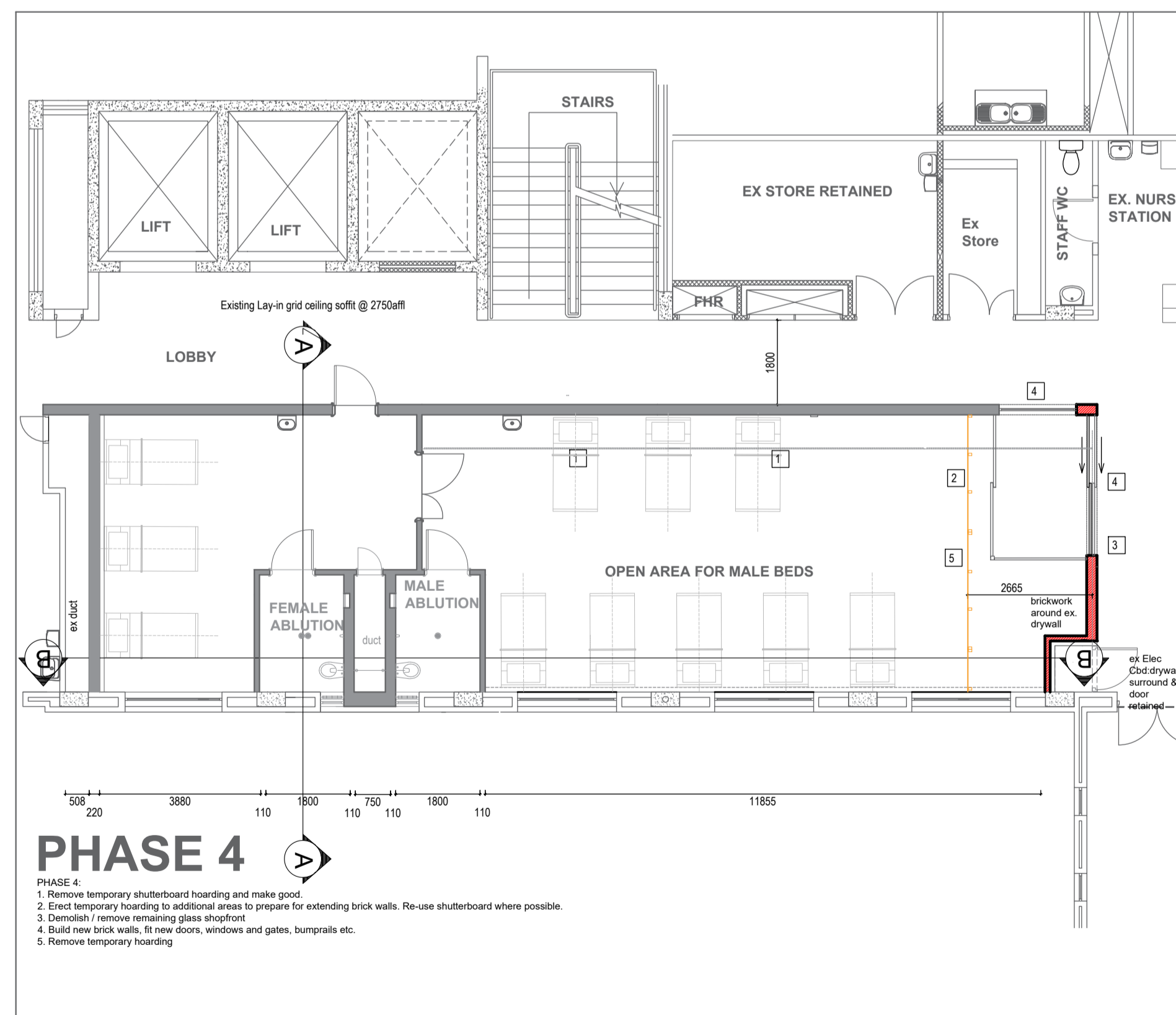
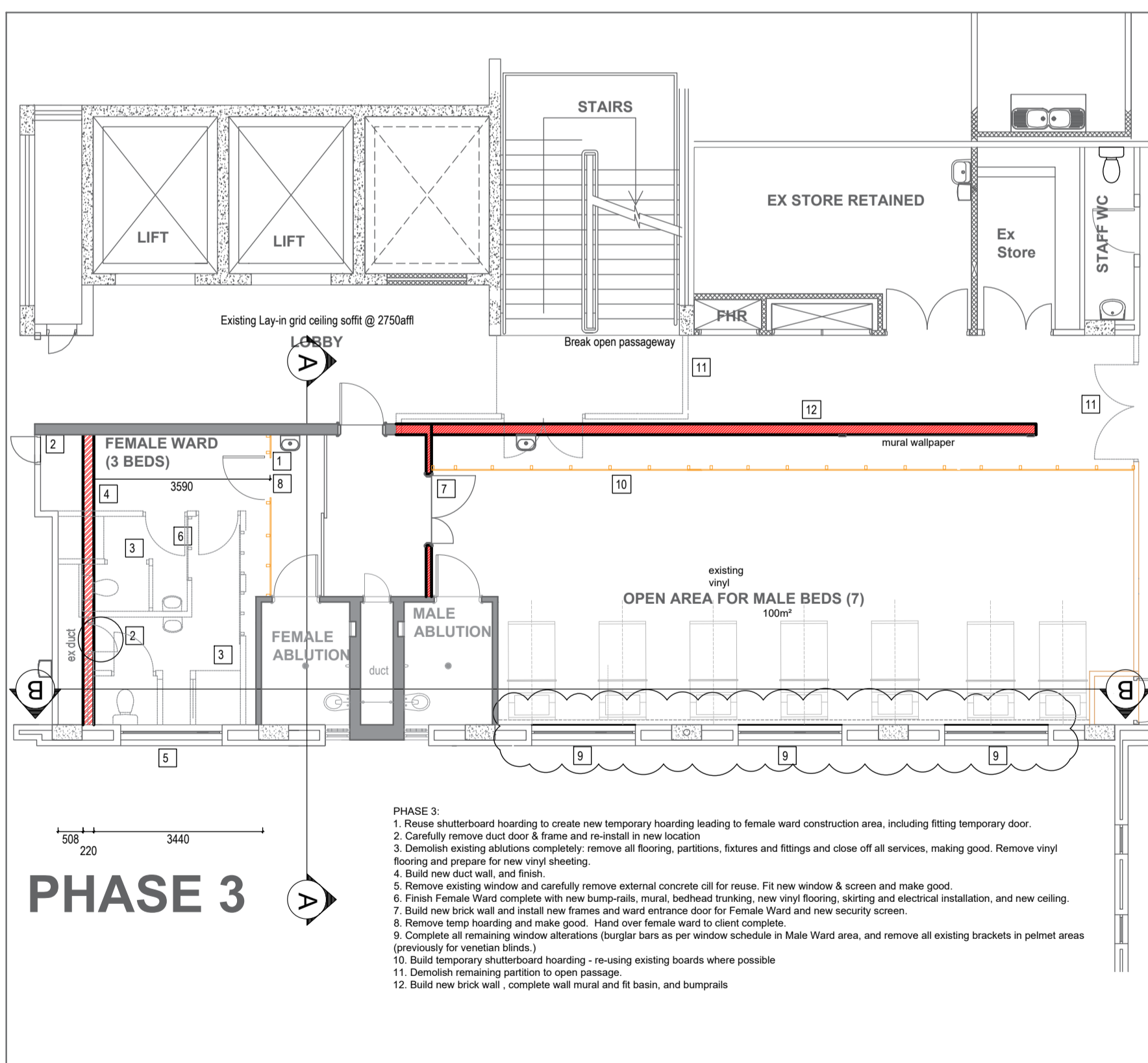
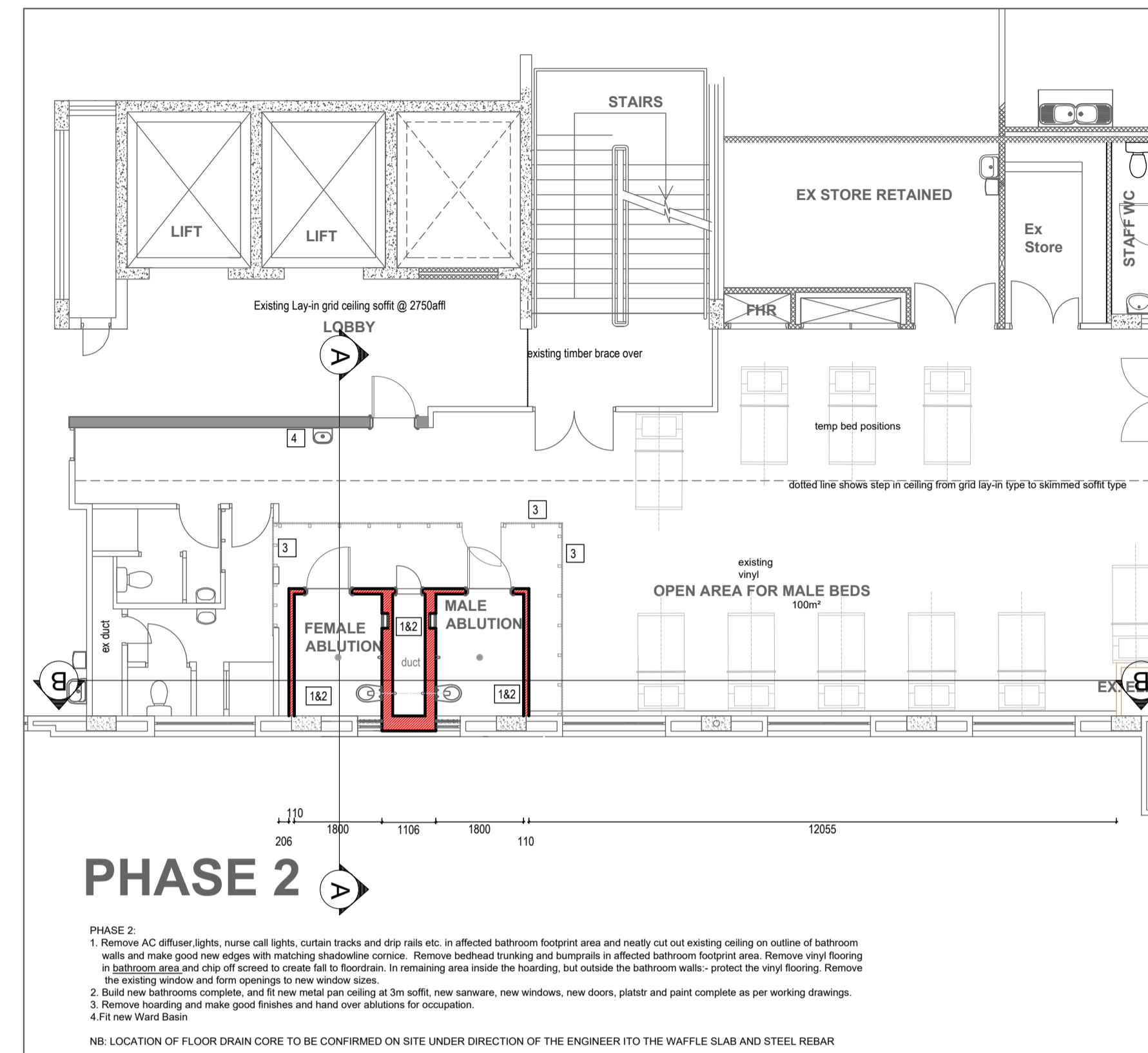
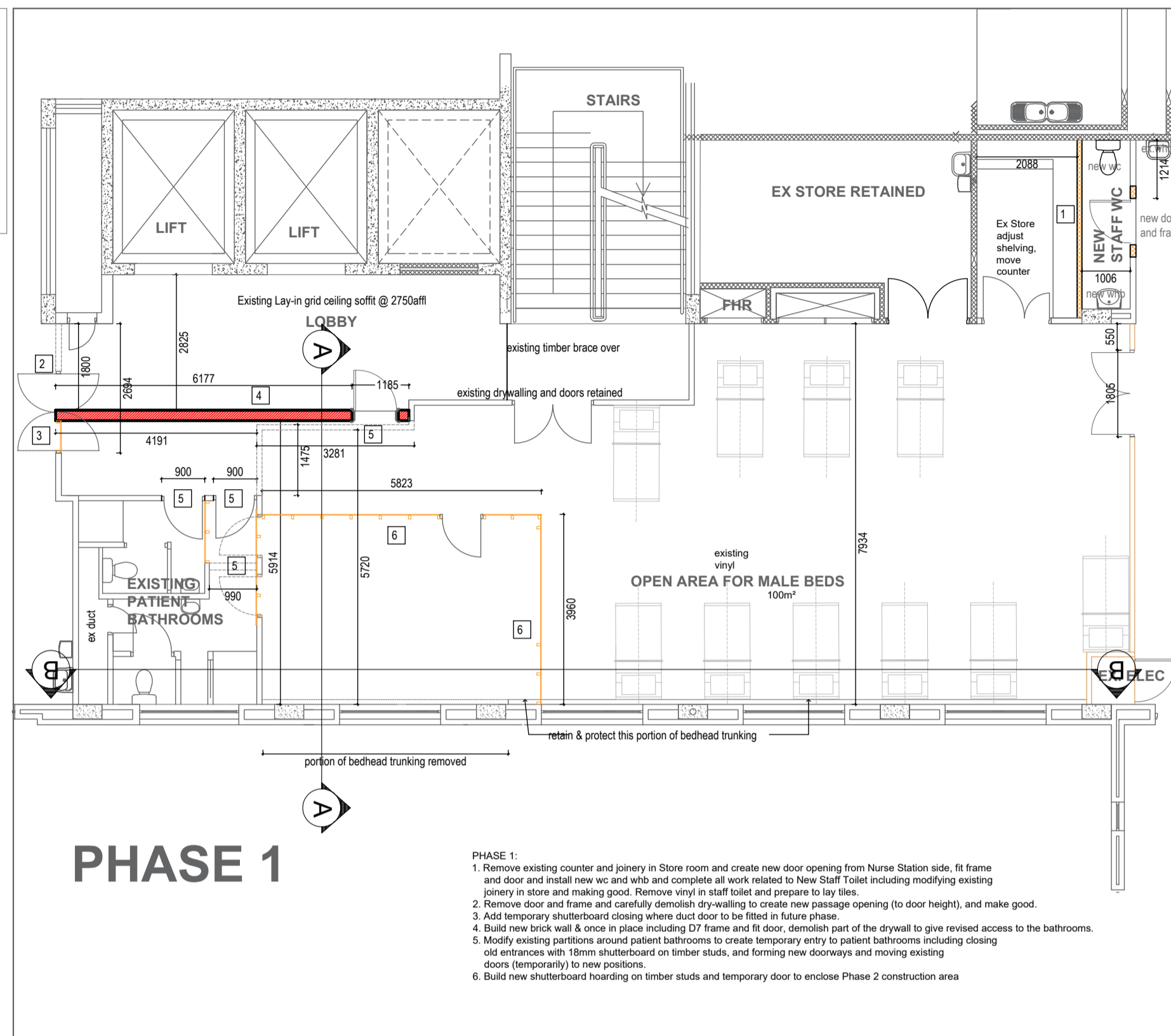
Title
PHASING AND DEMOLITION PLAN

Scale	Date	Drawn	Checked
1:100	2025-05-15	MS	WAM

FOR TENDER

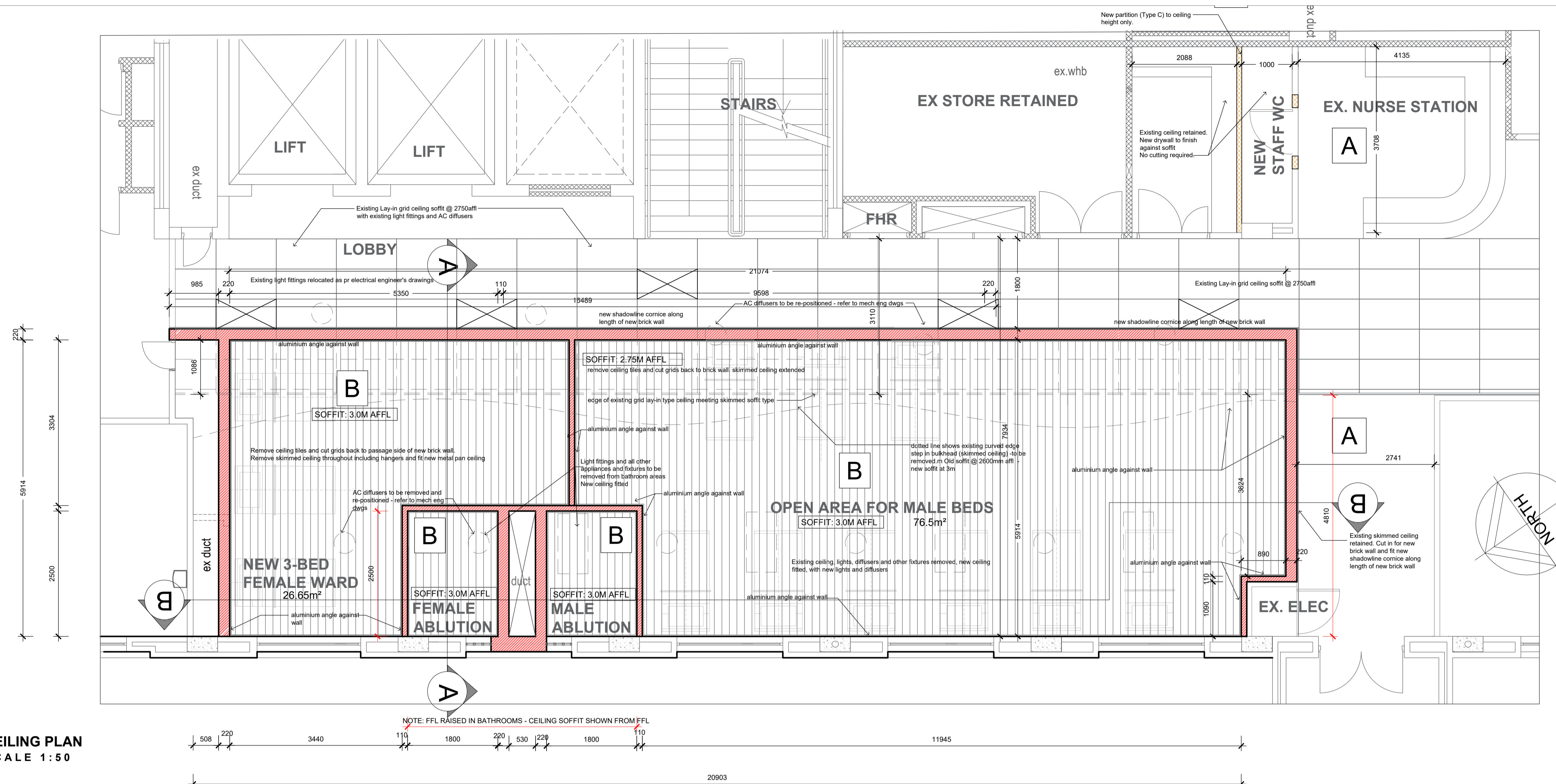
DRAWING No **240028-PRF-37-201** REVISION 01

- GENERAL NOTES RE SHUTTERBOARD HOARDING (ALL PHASES)
1. Temporary hoarding of 18mm x 1220 x 2440 shutterboard on 7500 studs and rails, braced and stabilised as required.
 2. All bracing to be erected on the side that is not accessible to the patients.
 3. Allow for the shutterboard hoarding to be neatly bolted to the floor but ensuring minimal damage to the vinyl sheathing. Vinyl sheathing that is uplifted will be used to plug all holes on completion.
 4. Hoarding to extend to ceiling level applicable at each phase (note this will vary between 2.6m and 3.0m).
 5. All shutterboards are to be painted with 1 coat of Plascon Pink Wood Primer (L22) followed by 2 coats of Plascon Super Acrylic PVA on the side that is visible from patient areas, and kept in neat and presentable condition, touching up any affected areas as work progresses.



NOTES

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CEILING PLAN
SCALE 1:50

NOTE: ALL REFERENCES TO TRADE NAMES AND PROPRIETARY PRODUCTS ARE INDICATIVE ONLY AND ALTERNATIVE PRODUCTS CAN BE PROPOSED SUBJECT TO APPROVAL BY THE ARCHITECT

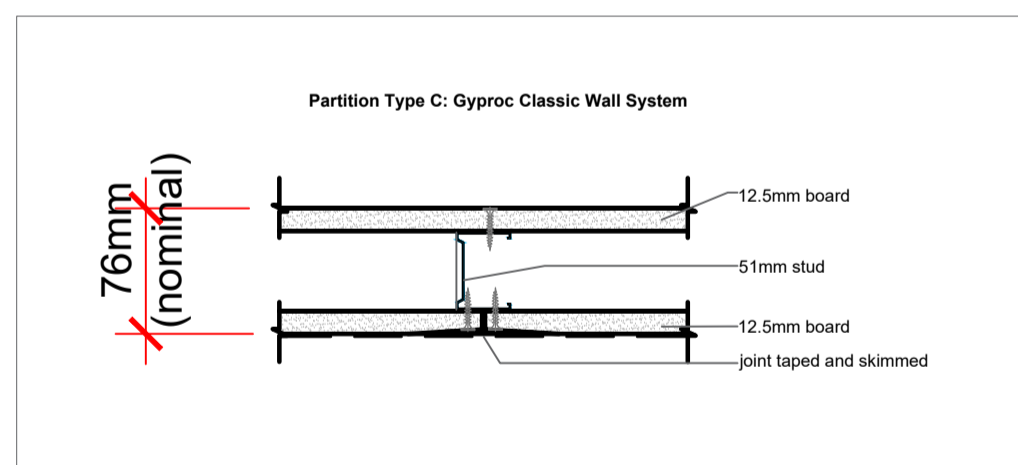
CEILING & PARTITION LEGEND AND SPECIFICATION:

- A TYPE A: EXISTING SKIMMED CEILING RETAINED AND REPAINTED**
 Paint to ceiling: Surface to be dry, sound and free of dirt and loose particles. Wipe down with a damp cloth and allow to dry completely. Repaint with two coats Polvin Walls & Ceilings (EPL 30) with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C5 - coastal/marine environment. Colour: White
- B TYPE B: METAL CEILING**
 Hunter Douglas Luxalon Exterior Closed ceiling system: 150C panels mounted on Luxalon universal carrier system complete with clips and rod hangers suspended max. 1m from existing concrete waffle slab above. 0.95mm thick aluminium panels, with stove-enameled coating supplied by Facade Architectural Systems. Shop drawings to be provided by supplier for approval by architect prior to installation. All edges of room to be finished with powder-coated 50x50mm aluminium angles, mitred at corners, and fixed to walls at 300mm centers with 6 x 40mm hilti's.

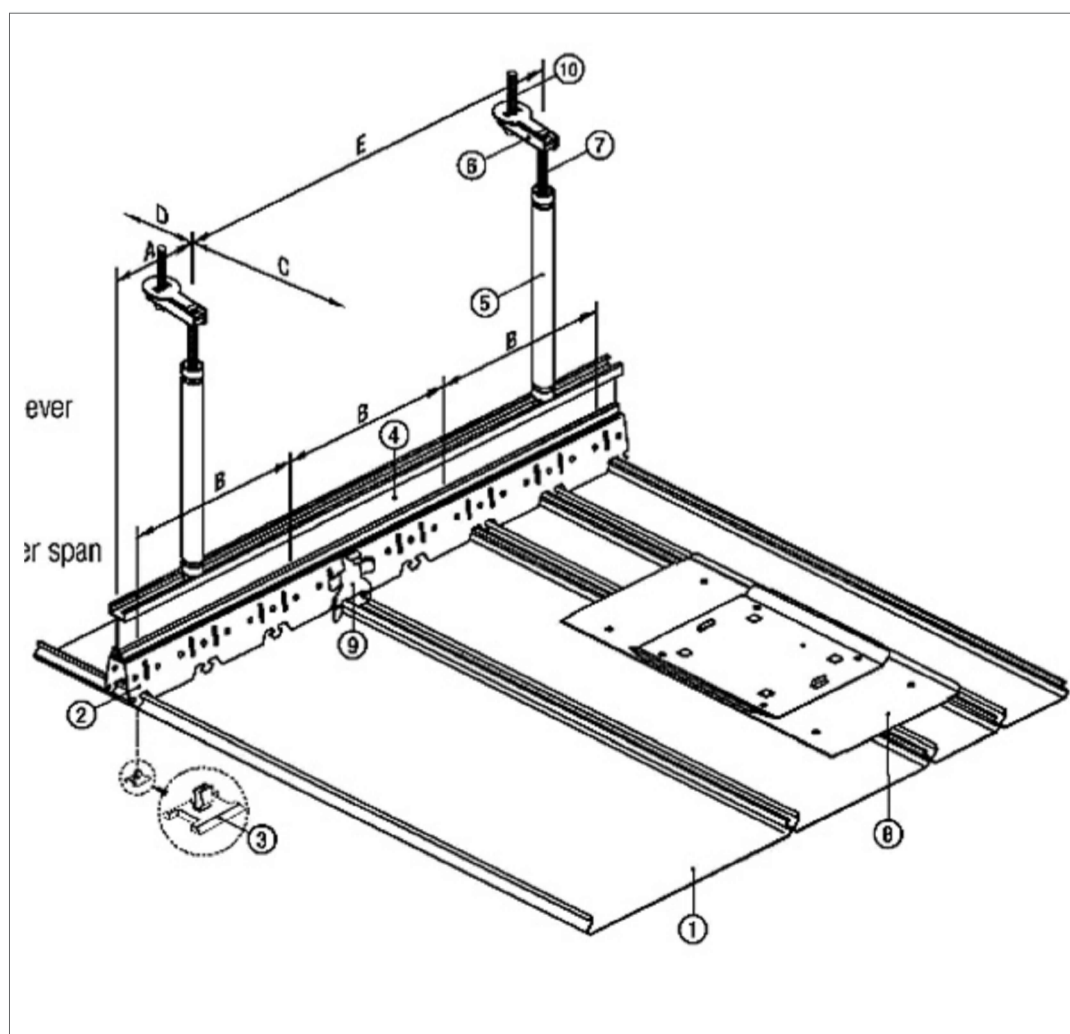
- C TYPE C: DRYWALL PARTITION GENERAL SPEC:**
 Drywall partitioning and framework in accordance with SANS 082 and SABISA Guideline with galvanized steel studs and cladding each side. All boards taper-edged and joints plastered - all joints staggered. Galvanized steel studs and tracks, and horizontal framing where relevant, shall be channels of profile, size and thickness as recommended by the manufacturer relative to the structural requirements of the installed system. Studs and horizontal framing shall make provision for electrical conduits as required and wall-mounted fixtures are to be properly supported - see also Detail 6. All external corners, apertures, abutments and door or window openings are to be reinforced. All cladding to be fixed with 25mm drywall screw spacing shall not exceed 220mm c/s and boards are to be fixed to studs and bottom track. A sample partition area shall be prepared and the standard of materials and workmanship approved before work proceeds. This sample area may form part of the permanent works. Accuracy and permissible deviations are to comply with Grade 1 standard as per SANS 10155 and described in SABISA guideline cl. 2.3.6 Movement joints as per manufacturer. All systems to be installed in accordance with Gyproc's recommendations and to be signed off with SpecSure warranty on completion.

Gyproc Classic Wall System 51F30S30
 System consisting of one layer of 12.5mm RhinoBoard® (non-combustible to SANS 10177-5) fixed to both sides of the framework using Gyproc Sharp-point Screws 25 mm (face layer) at maximum 220 mm centres. 51 mm Gypframe® UltraSTEEL® Studs friction fitted into top and bottom 51 mm Gypframe® UltraSTEEL® Tracks at 600 mm centres. Floor and head track fixed with one line of proprietary fixing spaced at maximum 600 mm centres. Gypframe® UltraSTEEL® Deep Track is not required. Apply Gyproc RhinoTape® to all joints and internal corners. No insulation required. Install Gypframe® Corner Bead to all external corners.

Finishing: Apply Gyproc Rhinotape to all joints and internal corners. Allow for Gypframe corner bead to all external corners, embedded in skimcoat. All screw heads to be spotted. Apply 1 layer of Gyproc Rhinolit plaster to the entire surface of the drywall. The surface shall be completely smooth and free of any marks and surface blemishes. The entire surface of the drywall shall receive a coat of oil-based plaster primer before final decoration. Finish with 2 coats Plascon Double Velvet. Colour to architect.



TYPICAL STUD DETAIL OF CLASSIC PARTITION
SCALE 1:5



DETAIL OF TYPE B CEILING
NTs



Rev	Date	Revision
01	14-05-2025	Metal type ceiling throughout

Project
ECDOH PMU-2 PRF-37 INFRASTRUCTURE IMPROVEMENTS AT LIVINGSTONE HOSPITAL A&E HOLDING AREA

Title
CEILING PLAN & DETAILS

Scale	Date	Drawn	Checked
1:50	2025-05-02	MS	WAM

FOR TENDER

DRAWING No **240028-PRF-37-202** REVISION **01**

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Rev	Date	Revision
00	00-00-2025	00

Project
**ECDOH PMU-2
 PRF-37
 INFRASTRUCTURE
 IMPROVEMENTS AT
 LIVINGSTONE HOSPITAL
 A&E HOLDING AREA**

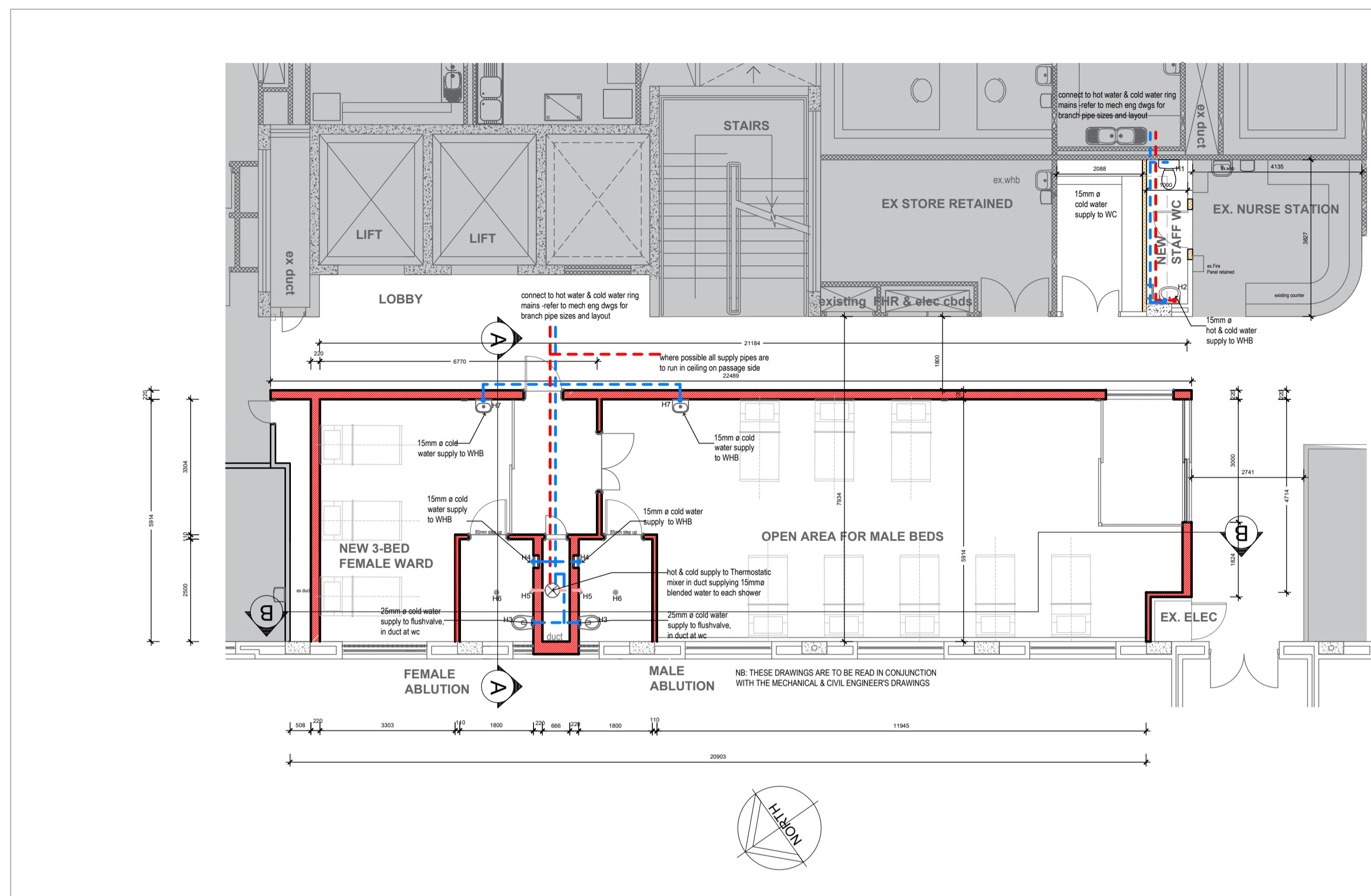
Title
**SEWER & WATER
 RETICULATION LAYOUTS**

Scale	Date	Drawn	Checked
1:100	2025-05-16	MS	WAM

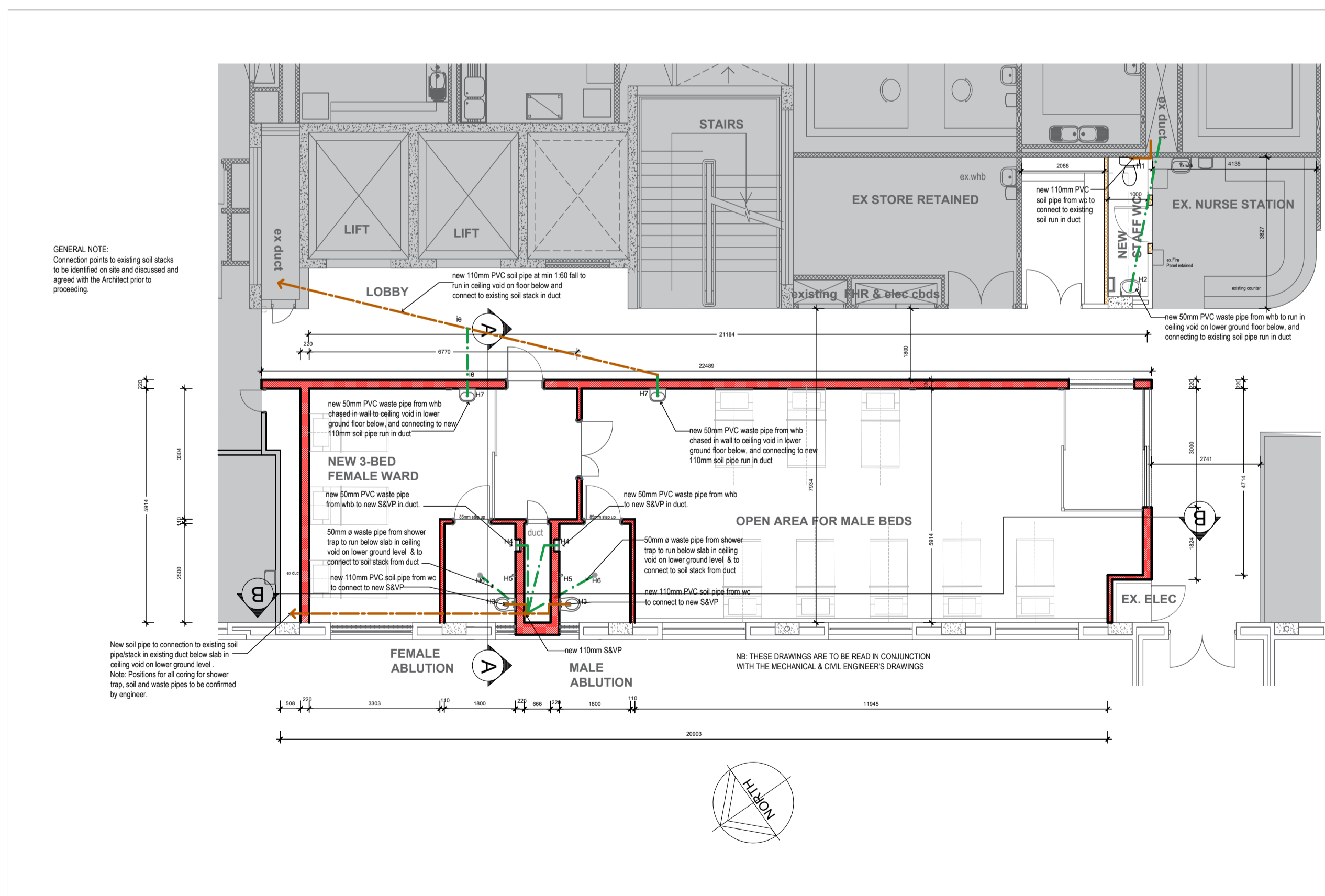
FOR TENDER

DRAWING No
240028-PRF-37-203

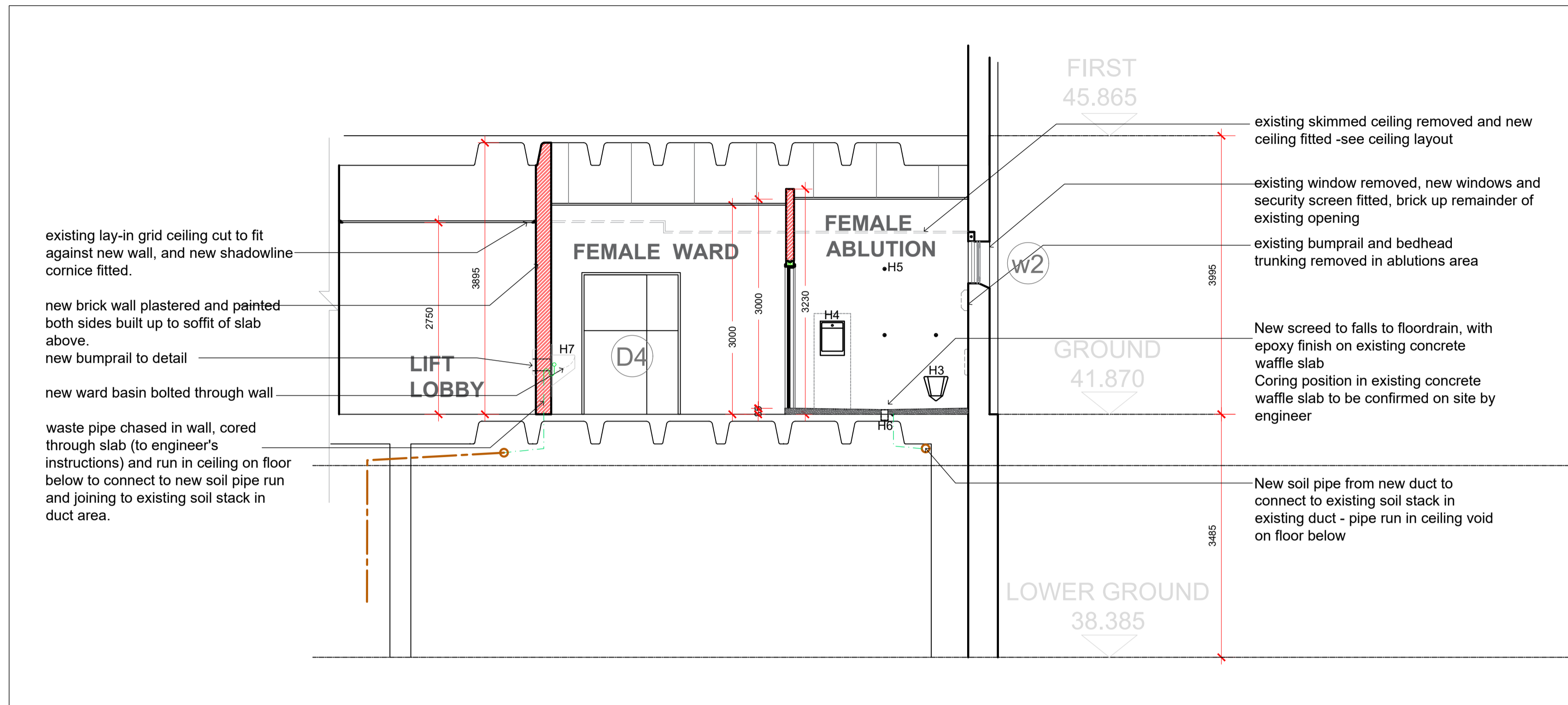
REVISION
 00



WATER RETICULATION LAYOUT
 SCALE: 1 : 1 0 0

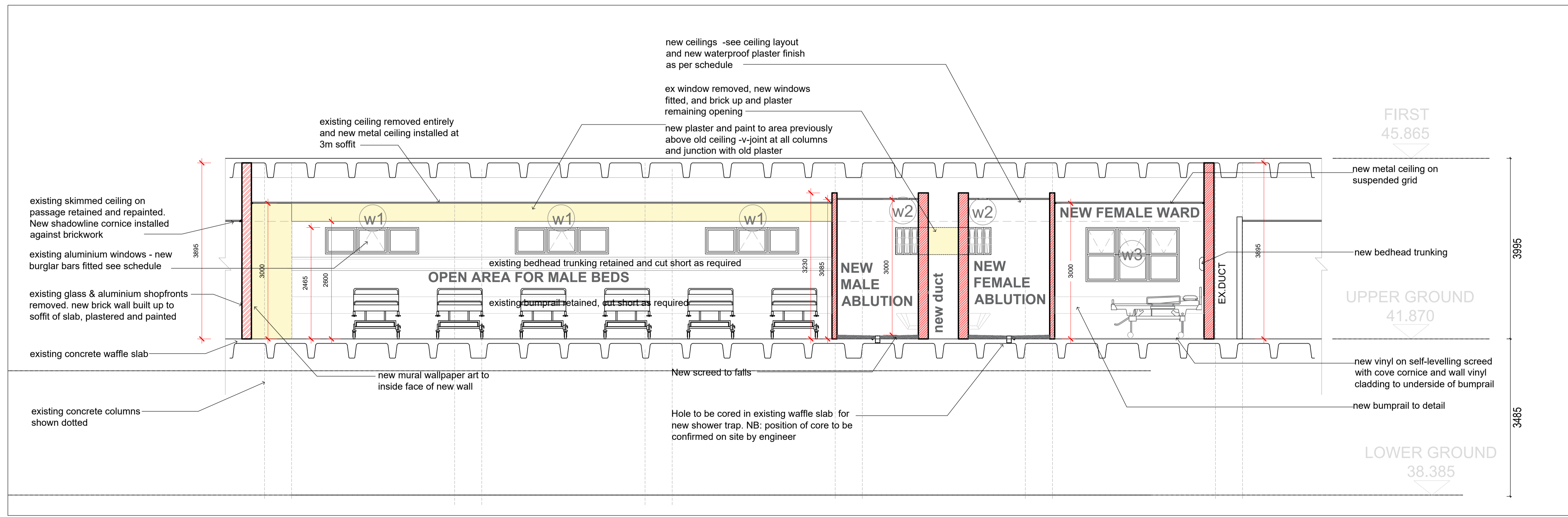


SEWER RETICULATION LAYOUT
 SCALE: 1 : 1 0 0



SECTION A - A
SCALE 1:50

- existing skimmed ceiling removed and new ceiling fitted -see ceiling layout
- existing window removed, new windows and security screen fitted, brick up remainder of existing opening
- existing bumperail and bedhead trunking removed in abluitions area
- New screed to falls to floor drain, with epoxy finish on existing concrete waffle slab
- Coring position in existing concrete waffle slab to be confirmed on site by engineer
- New soil pipe from new duct to connect to existing soil stack in existing duct - pipe run in ceiling void on floor below



SECTION B - B
SCALE 1:50

- new ceilings -see ceiling layout and new waterproof plaster finish as per schedule
- ex window removed, new windows fitted, and brick up and plaster remaining opening
- new plaster and paint to area previously above old ceiling -v-joint at all columns and junction with old plaster
- existing ceiling removed entirely and new metal ceiling installed at 3m soffit
- existing bedhead trunking retained and cut short as required
- existing bumperail retained, cut short as required
- new mural wallpaper art to inside face of new wall
- New screed to falls
- Hole to be cored in existing waffle slab for new shower trap. NB: position of core to be confirmed on site by engineer

- new metal ceiling on suspended grid
- new bedhead trunking
- new vinyl on self-levelling screed with cove cornice and wall vinyl cladding to underside of bumperail
- new bumperail to detail

NOTES

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Rev	Date	Revision
01	14-05-2025	Ceilings in Male Ward area raised & new spec. Inside duct walls change to 220mm

Project
ECDOH PMU-2 PRF-37 INFRASTRUCTURE IMPROVEMENTS AT LIVINGSTONE HOSPITAL A&E HOLDING AREA

Title
SECTION A - A SECTION B - B

Scale	Date	Drawn	Checked
1:50	2025-03-28	MS	WAM

FOR TENDER

DRAWING No **240028-PRF37-300** REVISION **01**

DOOR SCHEDULE

Scale 1:50

NB: ALL OPENINGS TO BE MEASURED AND CONFIRMED ON SITE PRIOR TO MANUFACTURE

<p>General notes: REFER TO DORMAKABA HARDWARE REPORT V2 (08/05/2025) 1. Male & female screws to be used to fix lever furniture through lockcase 2. Grub screw on lever to be tightened into groove of spindle once orientation is correctly aligned.</p>							
Door Number	D1	D2	D3	D4	D5	D6	D7
Location	Staff Toilet door	Main Entrance Door	Patient Ablution Door	Female Ward Door	New Duct	Ex duct door relocated	Female Ward Outside Door
Quantity	1 off	1 off	2 off (1 @ LH/ 1@RH)	1 off	1 off	1 off	1 off
Door Description	SWARTLAND Kayo Semi-solid masonite door code: HBSTDSSI2 single door size: 813mm wide x 2032 high with edge strips to stiles min 19mm thick.	HBS Nuklip Galaxy Slider System with Explorer High-security application door & panel (XO). 120mm outer frame with 45x85mm stiles and double hook lock with keyed locking for high security. Rubber seals on interlocks. Aluminium installation to comply with AAAMSA performance criteria to A3 performance in accordance with SANS 613:2011. Glazed in accordance with sans 10160:2010, sans 10137:2002, sans 10400 (part n of section 3) and sans 1263-1:2006. Clip-on Glazing beads with gasket seals, plugged to surrounding brickwork. Hollow extruded with mechanically cleated corners and all fittings to be corrosion resistant. All junctions to be water proof. Silicone seal around shopfront on completion.	813x2032 x 40mm Solid chip-core door with 30mins fire-rating, solid timber edges and masonite facings on both sides. Door weight: min 40kg. 1.2mm thick Grade 304 stainless steel splayed door frame (see detail) suitable for 110mm walls, plastered both sides. Frame complete with build-in lugs, rubber buffers and prepared for stainless steel hinges specified below, screw fixed with stainless steel tamper-proof screws.	1350 x 2032 x 40mm One & half doors made up of: 900mm and 450mm solid chip-core doors with 30mins fire-rating, solid timber edges, rebated meeting styles and masonite facings on both sides. typical std door weight: min 40kg. 1.2mm thick Grade 304 stainless steel splayed door frame (see detail) suitable for 110mm walls, plastered both sides. Frame complete with build-in lugs, rubber buffers and prepared for stainless steel hinges specified below, screw fixed with stainless steel tamper-proof screws.	466x1900x 40mm Solid chip-core door with 30mins fire-rating, solid timber edges and masonite facings on both sides. 1.2mm thick Grade 304 stainless steel rebated Door frame including cil frame suitable for 110mm walls, plastered both sides. Frame complete with build-in lugs, rubber buffers and prepared for stainless steel hinges as specified below, screw fixed with stainless steel tamper-proof screws.	Existing duct door and stainless steel frame to be carefully removed and re-installed in new opening in drywalling as indicated on plan.	900 x 2032 x 40mm single door made up of solid chip-core door with 30mins fire-rating, solid timber edges, and masonite facings on both sides. typical std door weight: min 40kg. 1.2mm thick Grade 304 stainless steel splayed door frame (see detail) suitable for 110mm walls, plastered both sides. Frame complete with build-in lugs, rubber buffers and prepared for stainless steel hinges specified below, screw fixed with stainless steel tamper-proof screws.
Frame	Swartland FB1/NS 873 x 2094 o/a Winsters single door frame 86x42. No sill. 19mm timber quadrant to all reveals						
Glazing	None	13.52mm High Impact (HI) laminated safety glass with 4 pvb interlayers. (Clear) All glass and framing to comply with SANS 10400 Part N and SANS 0137	None	None	None	None	None
Finish	Timber must be clean, dry, free from dust, dirt, grease & oil. Sand down to a smooth finish, and prime with Plascon Pink wood primer, followed by 2 coats Plascon Super Universal Enamel. (colour to architect) applied in accordance with Plascon spec. All sides & edges to be painted.	'Silver' Class 2 powder-coated (80 micron thick) to comply with AAAMSA performance criteria. 2 x dormakaba 120x40mm Rectangular Flush Pull handle code: D02935 SS 1 x dormakaba Narrow Stile Hook Lock Operating with European Profile Cylinder. Case dimensions (mm) 174H x 45D. Forend dimensions (mm) 290H x 22W. Backset 35mm. 18mm Throw Stainless Steel 1 Each DDC056301 KD (63mm) dormakaba 63mm five pin Euro-profile Double Cylinder Key to Differ Satin Nickel 1 x DCE-105 S.S dormakaba Narrow Stile Cylinder escutcheon Stainless Steel	Timber must be clean, dry, free from dust, dirt, grease & oil. Sand down to a smooth finish, and prime with Plascon Pink wood primer, followed by 2 coats Plascon Super Universal Enamel. (colour to architect) applied in accordance with Plascon spec. All sides & edges to be painted.	Timber must be clean, dry, free from dust, dirt, grease & oil. Sand down to a smooth finish, and prime with Plascon Pink wood primer, followed by 2 coats Plascon Super Universal Enamel. (colour to architect) applied in accordance with Plascon spec. All sides & edges to be painted.	Timber must be clean, dry, free from dust, dirt, grease & oil. Sand down to a smooth finish, and prime with Plascon Pink wood primer, followed by 2 coats Plascon Super Universal Enamel. (colour to architect) applied in accordance with Plascon spec. All sides & edges to be painted.	Sand down existing door to a smooth finish, free of dust, dirt, grease and oil. Paint with 2 coats Plascon Super Universal Enamel. (colour to architect) applied in accordance with Plascon spec. All sides & edges to be painted.	Timber must be clean, dry, free from dust, dirt, grease & oil. Sand down to a smooth finish, and prime with Plascon Pink wood primer, followed by 2 coats Plascon Super Universal Enamel. (colour to architect) applied in accordance with Plascon spec. All sides & edges to be painted.
Ironmongery	New Dormakaba ironmongery 1 pair 102x75x3mm DBB-SS-009 ball bearing butt hinges; 1 x TH120 BP WC RH S.S Lever handle on 170x170 plate with Bathroom/WC Furniture 1 x D035S SS Bathroom Sash Lock. 1 Each DHC-SS-030A Hat and Coat Hook 1 x DKP-430-SF 300 kick plate: 300x813x1.2mm thick Grade 430 stainless steel plate screwed with 6mm diam. x 25mm Stainless Steel screws. Plate to have 12 countersunk holes for screw fixing.		New Dormakaba ironmongery: 1,5 pairs 102x75x3mm DBB-SS-009 ball bearing butt hinges; 1 x DW-005 bathroom indicator st/steel 1 x DMWC-SS-008 bathroom deadlock ss 2 x DFP-SS-024 Oval flush pull handle (one each side) 1 x DBC-SS-022 adjustable roller-bolt 1 x DSS-130M 150 x150 male pictogram sign stainless steel (to Male bathroom) 1 x DSS-131F 150 x150 female pictogram sign stainless steel (to Female bathroom) 1,2m high x 1.2mm thick grade 304 Stainless steel lining to doors on both faces, returning on lock side of door (edge channel-rebated) Door to be recessed to take channel. Linings are to be screwed with countersunk stainless steel security screws along edges at 300mm/c. Allow for cut out for lockset as required.	New Dormakaba ironmongery: 3 pairs DBB-SS-009 102x75x3mm ball bearing butt hinges; 1 x TH120BP Cyl SS lever handle on 170x170mm backplate with cylindrical cutout 1 x D036S SS Cylinder sash lock 1 x D038R NP Rebate conversion kit for Euro Profile locks 1 x DDC056301 KD 5-pin Euro-profile double cylinder 1 x DBC-SS-017 150 manual flush door stop 1 x DFB-SC-180 153mm manual flush-bolt with heel 1 x DPS-SS-032 dust proof strike 1,2m high x 1.2mm thick grade 304 Stainless steel lining to doors on both faces, returning on lock side of door (edge channel-rebated) Door to be recessed to take channel. Linings are to be screwed with countersunk stainless steel security screws along edges at 300mm/c. Allow for cut out for lockset as required.	New Dormakaba ironmongery: 1 pair DBB-SS-009 102x75x3mm ball bearing butt hinges; 1 x DFP-SS-024 Oval flush pull handle to exterior 1 x DSC054101KD 41mm euro-profile single cylinder 1,2m high x 1.2mm thick grade 304 Stainless steel lining to doors on front face of door. Linings are to be screwed with countersunk stainless steel security screws along edges at 300mm/c. Allow for cut out for lockset as required.	Existing ironmongery retained	New Dormakaba ironmongery: 1,5 pairs DBB-SS-009 102x75x3mm ball bearing butt hinges; 1 x TH120BP Cyl SS lever handle on 170x170mm backplate 1 x D036S SS cylinder sash lock 1 x DDC056301KD 5-pin Euro-profile double cylinder 1,2m high x 1.2mm thick grade 304 Stainless steel lining to doors on both faces, returning on lock side of door (edge channel-rebated) Door to be recessed to take channel. Linings are to be screwed with countersunk stainless steel security screws along edges at 300mm/c. Allow for cut out for lockset as required.
Signage	170mm high x 640mm wide x 3mm thick clear perspex name plate with reverse vinyl sticker lettering. 40mm black letters on frosted white background. Nameplate to be drilled csk for 6 off 5x19mm brass csk screws and fixed at handle height. Perspex plate to be pre-drilled to take countersunk screws. Wording as indicated above						

NOTES

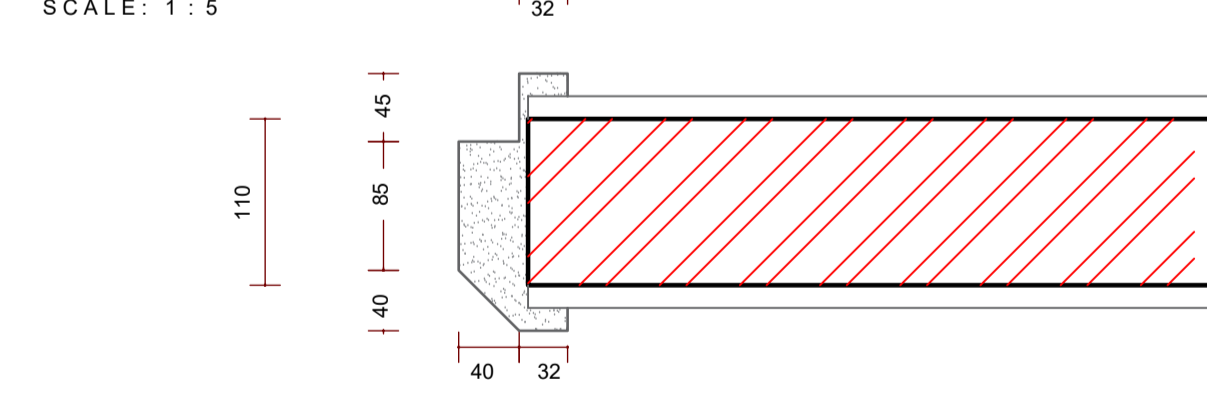
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WINDOW SCHEDULE

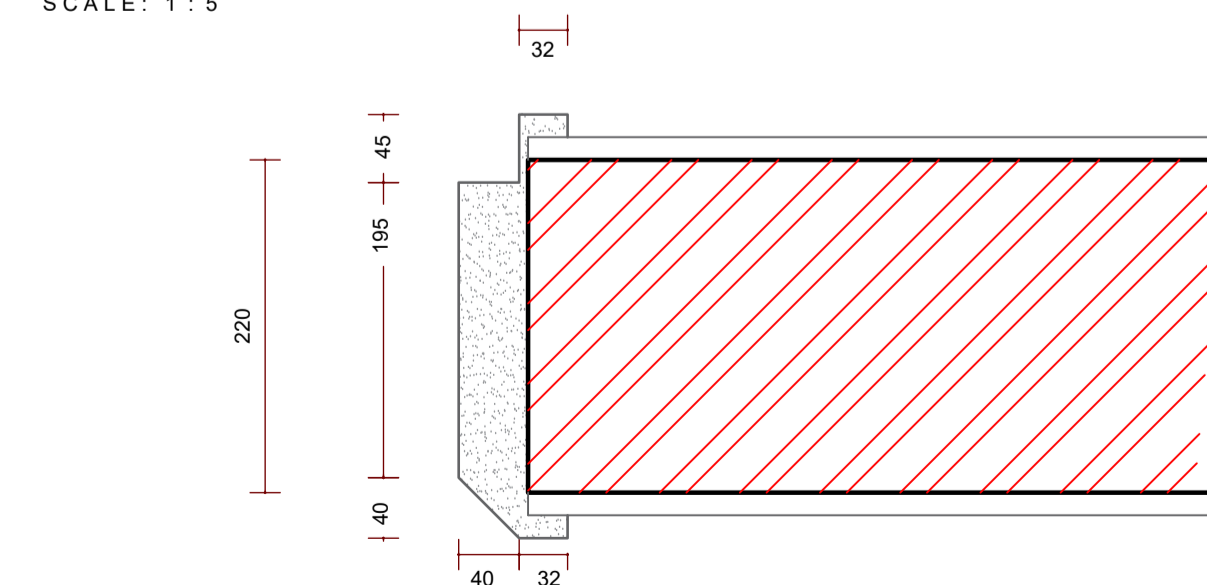
Aluminium windows, doors and shopfronts are to be constructed and installed in accordance with the latest Edition of the Association of Architectural Manufacturers of South Africa (AAAMSA) General Specifications for Architectural Aluminium Glass Products. Unless otherwise stated, ironmongery is to be the manufacturer's standard corrosion resistant ironmongery for the particular product ranges. Glazing is to be carried out in strict accordance with the SANS 10400 Part N, SABS 0137/2000 Code of Practice: The Installation of Glazing in Buildings. SABS 0400, SABS 1263 and AAAMSA Selection Guide for Safety Glazing materials: NB: ALL OPENINGS TO BE MEASURED AND CONFIRMED ON SITE PRIOR TO MANUFACTURE OF WINDOWS OR SHOPFRONTS

<p>Scale 1:50</p>	<p>Important notes: 1. Handles to be fixed 235mm from top of frame 2. Window to be positioned 55mm back from outside wall face to ensure security screen fits internally</p>			
Window Number	W1	W2	W3	W4
Location	Open Male Area	Patient Bathrooms	Female Ward	Ward Entrance
Quantity	3 off	2 off	1 off	1 off
Window Description	Existing Black powder coated aluminium framed window with 2 fixed sections and 1 bottom hung opening section.	Black powder coated aluminium framed window with 3 narrow side hung sections (2 left, 1 right opening) able to withstand wind pressures of 1000pa in accordance with sans 613 glazed in accordance with sans 10160:2010, sans 10137:2002, sans 10400:2010 (part n of section 3) and sans 1263-1:2006, plugged and screwed to brickwork Hollow extruded with mechanically cleated corners and all fittings to be corrosion resistant. All junctions to be water proof. Silicone seal around window on completion	Black powder coated aluminium framed window with 3 fixed sections & 3 top-hung sections able to withstand wind pressures of 1000pa in accordance with sans 613 glazed in accordance with sans 10160:2010, sans 10137:2002, sans 10400:2010 (part n of section 3) and sans 1263-1:2006, plugged and screwed to brickwork Hollow extruded with mechanically cleated corners and all fittings to be corrosion resistant. All junctions to be water proof. Silicone seal around window on completion	HBS Nuklip purpose-made fixed light with 170mm mid-bar. Aluminium installation to comply with AAAMSA performance criteria to withstand wind pressures of 1000pa in accordance with SANS 613 glazed in accordance with sans 10160:2010, sans 10137:2002, sans 10400 (part n of section 3) and sans 1263-1:2006. Clip-on Glazing beads with gasket seals, plugged to surrounding brickwork. Hollow extruded with mechanically cleated corners and all fittings to be corrosion resistant. All junctions to be water proof.
Glazing	Replace any broken or cracked glass panes with 6.38mm laminated safety glass Safety glass to be labelled in accordance with SANS 10400 Part N and SANS 0137	6.38mm laminated safety glass Safety glass to be labelled in accordance with SANS 10400 Part N and SANS 0137	6.38mm laminated safety glass Safety glass to be labelled in accordance with SANS 10400 Part N and SANS 0137	12.38mm High Impact (HI) laminated safety glass. (Clear) All glass and framing to comply with SANS 10400 Part N and SANS 0137
Burglar Proofing	New 10x10mm Black powder coated aluminium solid square tubing to be fitted to outside of the opening window area at 100mm centres in one direction fitted to all opening sections	Refer to Dwg no: 803 - Security Screens	Refer to Dwg no: 803 - Security Screens	None
Ironmongery	Service existing friction stays and epoxy coated window fasteners and replace where necessary.	Heavy duty stainless steel friction stays and epoxy coated window fasteners - As supplied by manufacturer	Heavy duty stainless steel friction stays and epoxy coated window fasteners - As supplied by manufacturer	None

DETAIL OF STANDARD ST/STEEL FRAME AT NEW DUCT



DETAIL OF SPLAYED ST/STEEL DOOR FRAME ON 110MM WALL



DETAIL OF SPLAYED ST/STEEL DOOR FRAME ON 220MM WALL



Rev	Date	Revision
01	14-05-2025	Add frames for all doors, add D7, add W4 amend ironmongery

Project
ECDOH PMU-2 PRF-37 INFRASTRUCTURE IMPROVEMENTS AT LIVINGSTONE HOSPITAL A&E HOLDING AREA

Title
DOOR SCHEDULE AND WINDOW SCHEDULE

Scale	Date	Drawn	Checked
1:50	2025-05-02	MS	WAM

FOR TENDER

DRAWING No
240028-PRF-37-800

SANWARE & FITTINGS SCHEDULE

ROOM NAME	H1	H2	H3	H4	H5	H6	H7
NEW STAFF TOILET	x1	x1					
OPEN AREA FOR MALES							x 1
NEW MALE ABLUTION			x 1	x 1	x 1*	x 1	
NEW FEMALE ABLUTION			x 1	x 1	x 1	x 1	
NEW FEMALE WARD							x 1

* Note: Only 1 x thermostatic mixer and temp. gauge required between 2 showers

H1 -NEW STAFF WASHBASIN SET



Lixil "Sola" Semi-rectangular medical wall hung basin with no tapholes, no overflow nor chain stay hole. Dimensions: 490Lx575Wx210H. Code: **702804WH**. 10 Year Lixil Africa warranty. Mounted using 8448Z000/N 10mm Basin Bolts - set of 2.

Cobra basin waste, unslotted with flanged back nut and washer, and plug. 62mm diam flange, 77mm long shank. 1 1/4 BSP Male iron connection end. Polymer back nut. Code: **308/N**.

Cobra Universal Bottle trap, with adjustable telescopic waste connection pipe. 1 1/4 BSP female inlet connection. 1 1/4 BSP male outlet connection. Brass body, with waste adaptors as required. Maximum flow rate +/- 37.5 l/min for trap alone. Code: **340/N**.

Cobra Medical elbow-action, wall-type mixer, Basin Mixer WT fixed spout 15mm CP chrome- heavy pattern. Includes: 1/4" turn ceramic disc, 1/2" BSP male inlet, and aerated fixed straight outlet. SANS 226 Type 2. Code: **510-21/HP**. Ball-O-Stop ball valve, with green rubber-coated zinc plated steel lever, brass. Includes: 1/2 female connections. SANS1056-3:2016 Installed in ceiling space above the fitting x 2

Franke Hand Sanitiser Dispenser, Elbow Operated - code 2120125 manufactured in Grade 304 stainless steel. The unit shall be fitted with a hinged elbow action lever and a holder to suit a 500ml refillable pump action plastic bottle. Unit to be fitted to wall using 6mm screws and wall plugs.

Franke Stratos Paper Towel Dispenser STRX600: Code: 2120038 Surface mounted paper towel dispenser, manufactured from Grade 304 1,2mm Stainless Steel; satin finished with surface treatment - InoxPlus (anti fingerprint). Cylinder lock with Franke standard key. capacity of 300 - 400 towels Dimensions: 300 x 134 x 305

Franke Rodan Waste Bin For Wall Mounting RODX605 Code: 2120097 Waste Bin for wall mounting, 0.8 mm grade 304 Stainless Steel, surface satin finished. Rounded edges, approx. 23 litre capacity, mounting either with mounting bracket or directly onto the wall, includes Stainless Steel screws and dowels. Dimensions: 355 x 168 x 460

H3 -PATIENT TOILET

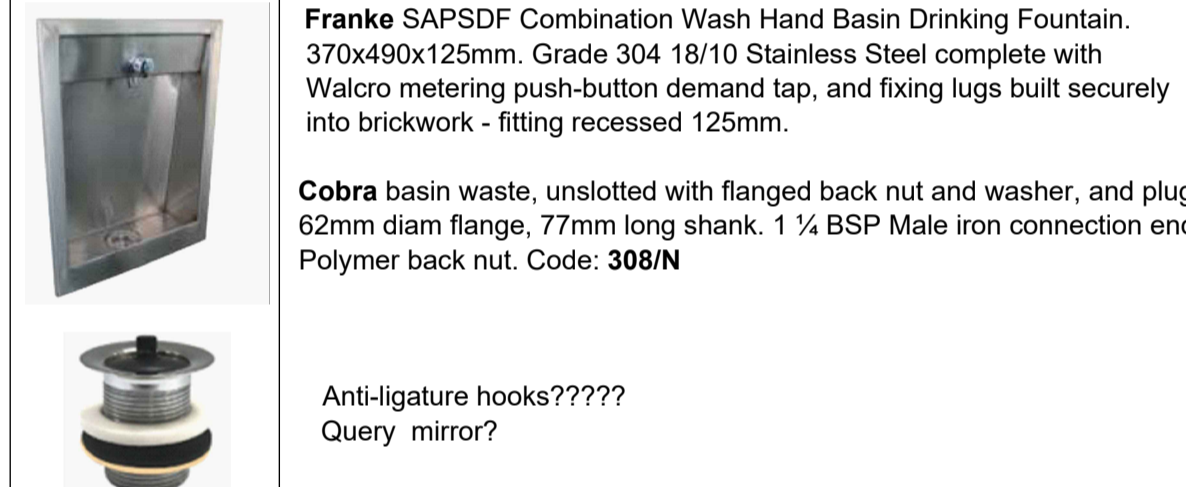


Franke Model CMPX592 vandal-resistant Wall Hung WC Pan. Manufactured from pressed Grade 304 (18/10) Stainless Steel, 360x500x350mm. Back entry unit supplied with 3mm thick Stainless Steel wall fixing bracket and fitted in accordance with manufacturers specifications using 4 x 8mm anchor bolts. Supplied with 250mm st/steel extension pipes on inlet and outlet. No seat

Walcro 106C - (25mm) BSP, concealed, DZR brass toilet flushing valve mounted inside duct with stainless steel pan adaptor, and "VR" button to be mounted above pan
-see detail layout. (Operating pressure: 30kpa - 600kpa)

Franke recessed toilet roll holder code: 359635, built into wall 118 ø x 110mm manufactured from Grade 304 (18/10) Stainless Steel, 2mm gauge. Unit with 20mm flange and 2 off x M10 threaded rods for bolting the unit through the wall.

H4 -PATIENT BASIN

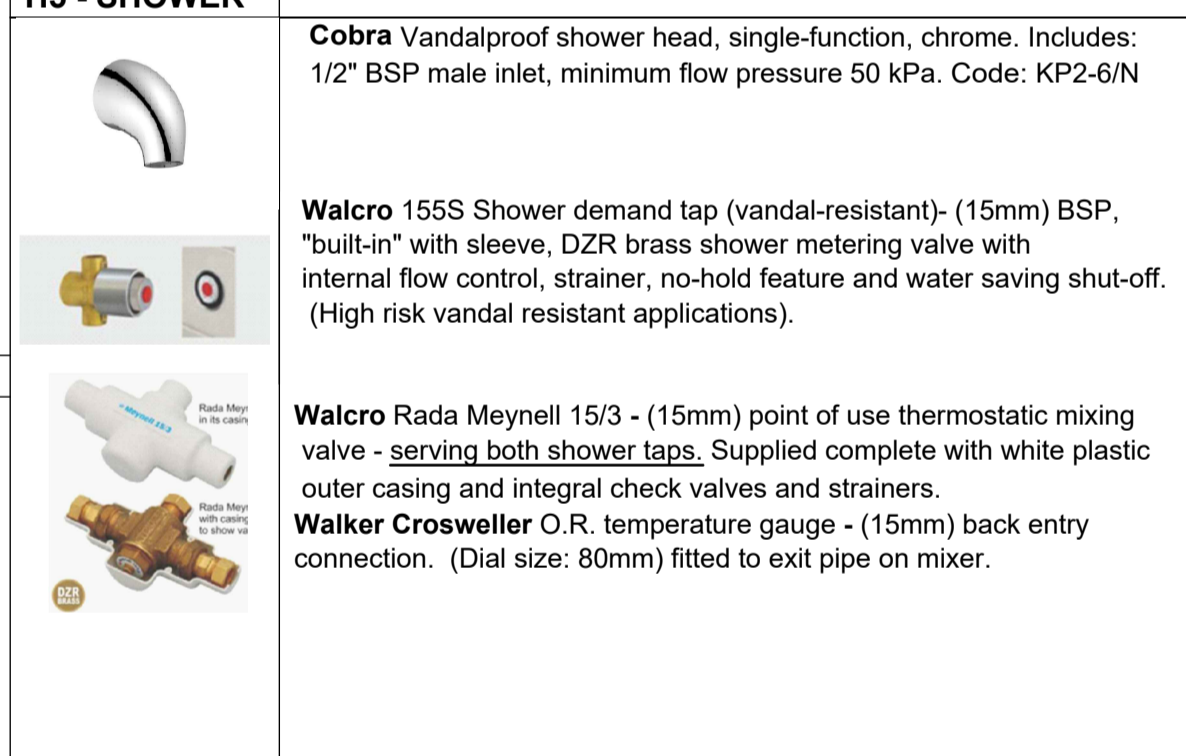


Franke SAPSDF Combination Wash Hand Basin Drinking Fountain. 370x490x125mm. Grade 304 18/10 Stainless Steel complete with Walcro metering push-button demand tap, and fixing lugs built securely into brickwork - fitting recessed 125mm.

Cobra basin waste, unslotted with flanged back nut and washer, and plug. 62mm diam flange, 77mm long shank. 1 1/4 BSP Male iron connection end. Polymer back nut. Code: **308/N**

Anti-ligature hooks?????
Query mirror?

H5 - SHOWER



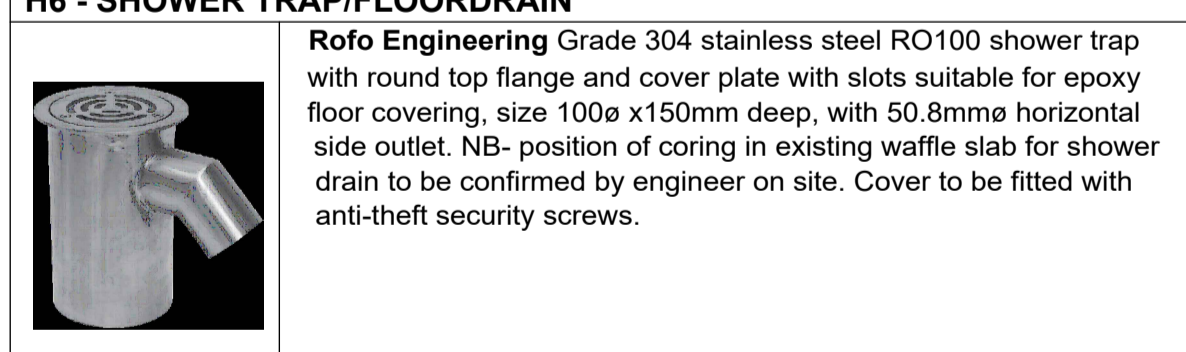
Cobra Vandalproof shower head, single-function, chrome. Includes: 1/2" BSP male inlet, minimum flow pressure 50 kPa. Code: KP2-6/N

Walcro 155S Shower demand tap (vandal-resistant)- (15mm) BSP, "built-in" with sleeve, DZR brass shower metering valve with internal flow control, strainer, no-hold feature and water saving shut-off. (High risk vandal resistant applications).

Walcro Rada Meynell 15/3 - (15mm) point of use thermostatic mixing valve - serving both shower taps. Supplied complete with white plastic outer casing and integral check valves and strainers.

Walker Crossweller O.R. temperature gauge - (15mm) back entry connection. (Dial size: 80mm) fitted to exit pipe on mixer.

H6 - SHOWER TRAP/FLOORDRAIN



Rofo Engineering Grade 304 stainless steel RO100 shower trap with round top flange and cover plate with slots suitable for epoxy floor covering, size 100ø x150mm deep, with 50.8mm horizontal side outlet. NB- position of coring in existing waffle slab for shower drain to be confirmed by engineer on site. Cover to be fitted with anti-theft security screws.

H7 -WARD BASIN



Franke HDSWMB Heavy Duty Surround Wash Hand Basin
Franke Surround Wall Mount Basin 390x322x600 mm with a 150mm splashback manufactured from Grade 304 (18/10) Stainless Steel 1.2mm gauge in a satin finish. The unit has a pressed bowl 360x280x140mm deep and a polished outer casing with a 40 degree angled base with an inspection panel with security screws. Unit complete with a 40mm perforated waste outlet. Code: **2520023**

WHB supplied complete with:
Walcro 155UWS Metering Basin Valve (15mm) BSP, "built-in" sleeve, basin valve with internal flow control, strainer and "no-hold" feature for single basin and
Walcro BBD/15 Basin Spout (cold water only)

Cobra basin waste, unslotted with flanged back nut and washer, and plug. 62mm diam flange, 77mm long shank. 1 1/4 BSP Male iron connection end. Polymer back nut. Code: **308/N**

H2 - STAFF WC

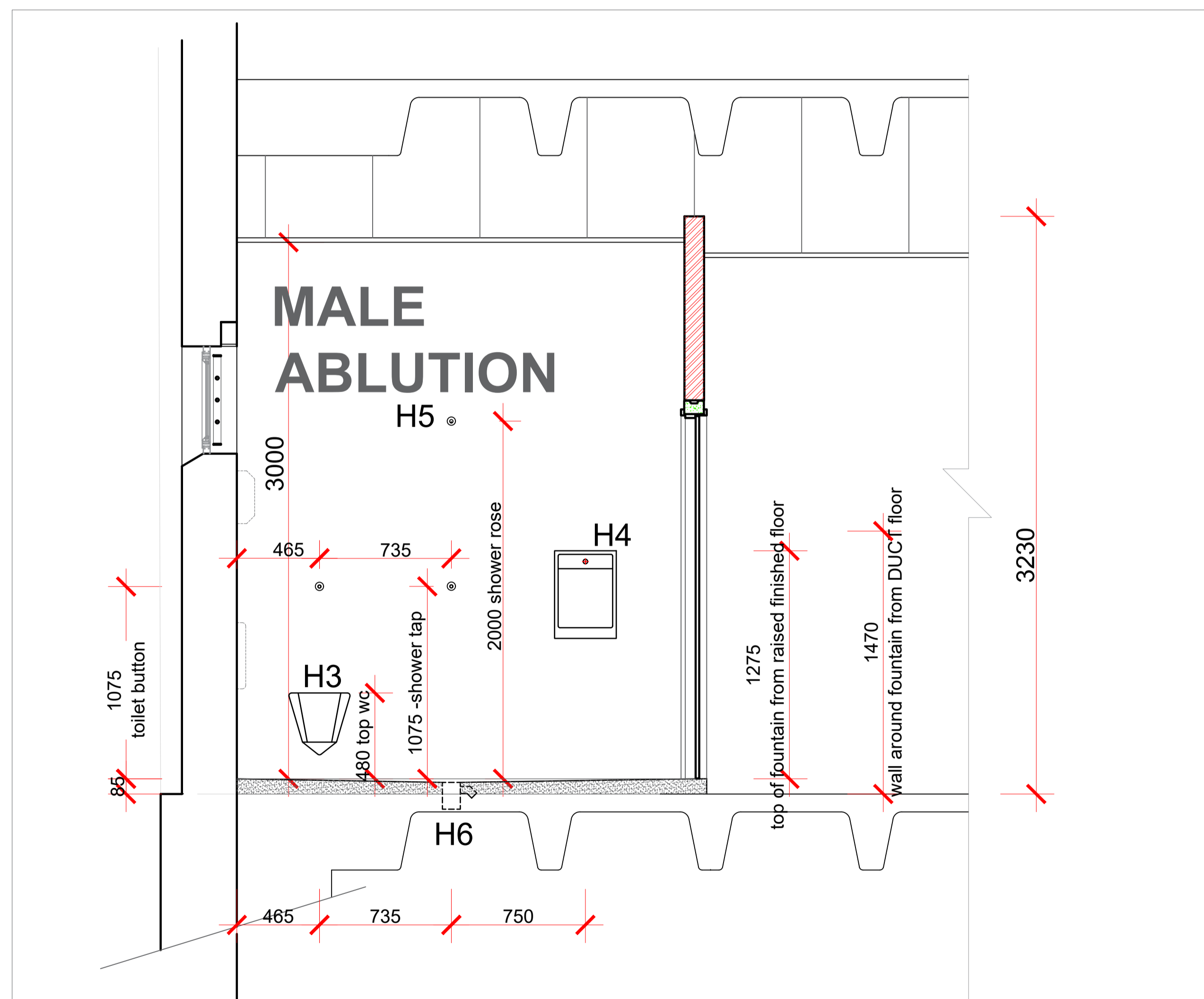


Cobra Welcome Close coupled toilet suite. Top, dual flush capability with 3L and 6L flush available. Box rim. Package includes cistern and cistern fittings, pan, seat and cover, connector, and installation manual. Cistern manufactured with left hand side inlet hole only Code: 772664WH

Angle Valve code: 232-10/NV
Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G 1/2 x G 1/2 BSP connections. X1 required

Franke Rodan Double Toilet Roll Holder with Spindle (Dimensions: 144 x 138 x 301) for wall mounting, Grade 304 Stainless Steel 0.8 mm Material thickness Stainless Steel, surface satin finished, folded front cover, cylinder lock with Franke standard key. For 2 rolls with max. Ø 120 mm, Includes Stainless Steel screws and dowels. Code: RODX672

NOTE: ALL REFERENCES TO TRADE NAMES AND PROPRIETARY PRODUCTS ARE INDICATIVE ONLY AND ALTERNATE PRODUCTS CAN BE PROPOSED SUBJECT TO APPROVAL BY THE ARCHITECT



TYPICAL DETAIL ELEVATION IN PATIENT BATHROOM
SCALE 1 : 20

NOTES

ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE PRIOR TO COMMENCING, SETTING OUT, WORKSHOP DRAWINGS OR CONSTRUCTION

FIGURED DIMENSIONS ONLY TO BE USED, DRAWINGS ARE NOT TO BE SCALED

DISCREPANCIES, ERRORS AND OMISSIONS ARE TO BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY THEY BECOME EVIDENT

SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURE OR INSTALLATION

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Rev	Date	Revision
01	08-05-2025	Patient toilet spec updated

Project
ECDOH PMU-2 PRF-37 INFRASTRUCTURE IMPROVEMENTS AT LIVINGSTONE HOSPITAL A&E HOLDING AREA

Title
SANWARE SCHEDULE

Scale	Date	Drawn	Checked
varies	2025-05-02	MS	WAM

FOR TENDER

DRAWING No
240028-PRF-37-801

REVISION
01

FINISHES SCHEDULE				
NOTE: ALL REFERENCES TO TRADE NAMES AND PROPRIETARY PRODUCTS ARE INDICATIVE ONLY AND ALTERNATE PRODUCTS CAN BE PROPOSED SUBJECT TO APPROVAL BY THE ARCHITECT				
ROOM DESCRIPTION	FLOOR & SKIRTING	WALL	CILLS	GENERAL NOTES:
NEW STAFF TOILET	FF01	WF07, WF08		For Tiling on plastered brick walls: Allow all new wall renderings to cure for at least 14 days. The rendering must be firmly attached to the substrate, must be integrally sound and must be of a quality and consistency suitable for tiling. Renderers should be left with a woodfloat finish. The background must be clean, dry firm and sound, and free from dust, loose particles and surface contaminants before proceeding. If the surface has been steel floated, key the surface with a slurry consisting of 1 part Tal Keycoat to 2 parts cement applied by block brush. Allow slurry coat to dry for 4-6 hours. Apply Tal Professional to the background using a Tal notched trowel. Ensure that there is a solid bed of adhesive of min 5mm beneath each tile. Spread adhesive only into areas that can be tiled into within 10-15 minutes. Bed dry tiles into the wet adhesive with a twisting action to ensure full contact between the background, tiles and adhesive and tap tiles well home with a rubber mallet. Clean off any surplus adhesive with a damp sponge. Joints should be 3mm and be consistent throughout. Do not tile over expansion or movement joints. These joints must be extended through the various layers to the surface. Grouting should not commence within 1-3 days of bedding of tiles - depending on atmospheric conditions. Use grey Tal Wall and Floor Grout for filling joints. Ensure that the surplus grout is cleaned off the surface of the tiles with a damp sponge before it hardens. Movement joints should be located every 5m in both directions, and should be located around the perimeter of all floors, in all vertical corners, against obstructions fixed to the structural background and over all discontinuities in building materials, and around any fixtures protruding through the tiled surface. All above strictly to manufacturer's recommendations and specifications.
EX STORE ROOM	FF01	WF07		
EX NURSE STATION	FF01	WF07		
OPEN AREA -MALES	FF01	WF02 (above old ceiling level) WF05, WF06 WF09 & WF10 @ NEW WALLS, WF11	C01	
NEW MALE ABLUTION	FF02, FF04	WF03	C03	
NEW FEMALE ABLUTION	FF02, FF04	WF03	C03	
NEW FEMALE WARD	FF02, FF03	WF01, WF02, WF09, WF10, WF11	C02, C04	
NEW DUCT	FF02	WF12		
PASSAGE/LOBBY ON SOUTH AND EAST	FF01 FF03 (SKIRTING ONLY) AGAINST NEW BRICK WALLS	WF02 WF09 & WF10 AGAINST NEW WALLS		
All paint to comply with: 1. ALL EG SHELL ENAMELS ARE TO COMPLY WITH SABS 515:1972 2. ALL UNIVERSAL UNDERCOATS TO COMPLY WITH SABS 681 OF 1997 3. ALL EMULSION PAINTS ARE TO COMPLY WITH SABS 1586 : 1995 GRADE 4				

FLOOR FINISHES & INTEGRAL SKIRTINGS:

FF01 - Existing vinyl retained- see key plan -hatched areas
 Remove all loose debris once all construction phases are complete. Ensure that all traces of adhesive are removed from the surface of the floor covering. Mop-sweep or vacuum to remove dust and grit. Using a micro-fibre mop and dual bucket system, damp mop with a neutral detergent. Dry buff with a 1000 rpm plus rotary machine fitted with a suitable clean pad. Machine scrub with a scrubber dryer (approx. 165 rpm) fitted with a suitable clean pad, using a neutral or alkaline detergent, as appropriate. Rinse thoroughly and allow to dry. Dry buff to restore finish. All in accordance with Polyflor recommendations.

FF02 - Remove existing vinyl on concrete
 Uplift vinyl sheeting and coving by mechanical means. Diamond grind the floor to remove ALL contamination (bitumen/ acrylic adhesives/ existing preparation compounds/ tile adhesive/loose and friable substrate/ tile adhesive). Clean area and ensure it is free of dust. Architect to be given an opportunity to inspect the substrate once the old finish has been removed and prior to laying any new finish.

FF03 - New Vinyl sheeting
 Homogenous vinyl sheeting: **Polyflor Classic Mystique PUR**
 Ensure substrate is completely smooth, level, hard, dry & clean with any uneven imperfections brought to Level 1 standard by applying 3mm Tal Screedmaster in accordance with Tal spec. (pumped method) including Tal Floor Primer slurry coat (2 parts cement : 1 part Tal floor primer) -applied by Tal approved sub-contractor. Moisture content of each room's finished surface to be reported to architect prior to commencement, max 75% RH acceptable. Architect to be given an opportunity to inspect the substrate once the old finish has been removed and prior to laying out the vinyl.

Supply and install 2mm x 2m Polyflor Classic PUR homogeneous monolayer vinyl sheeting with PUR polyurethane reinforcement cross linked and UV cured surface treatment, manufactured in accordance with ISO 10581 (EN 649) and installed with Polysales recommended adhesive which has been spread using an A2 notched trowel on a previously prepared Class 1 subfloor in accordance with SANS 10070, using a Polysales recommended self-leveller and moisture barrier, including all cutting and waste, rolling the installed sheeting in both directions with a 68kg three-sectional roller immediately after it has been laid into the adhesive, joints must be overlapped, U-shape grooved and heat welded 2/3rds through the thickness of the sheeting. Full installation in strict accordance with manufacturer's instructions by an approved sub-contractor. 10-20mm of the factory edge of vinyl sheeting to be removed before laying. Colour code:1540 Silent Dove. Welding rods to match existing.

Note re welded joints: depth of welding +/- 2mm, width 3mm welded joints to be flush with sheeting - no concave jointing or jointing proud of sheeting. All welds to be glazed & checked for evenness before polishing, no cross joins will be permitted. Main seams between sheets to run towards the window.

Vinyl sheeting to be laid with 150mm (w) x 600mm (h) site-formed coved vinyl sheet skirting to wall-cladding of colour code: 1400 Quartz laid and welded with vinyl floor sheeting at all perimeter edges to room. Coved sheeting to be installed with Polyflor PC 20 Poly Cove; to ensure a good tight radius at all corners abutting wall surfaces / junctions and internal corners. Radius and tapering of Poly Cove all to manufacturers recommendations and instructions at all corners / junctions with wall surfaces and door frames.

Note: Final colour selections prior to ordering: to be confirmed by architect after product match on site.

FF04 - 6mm thick Polyurethane Screed to new topping to falls. Flowcrete Flowfresh RT Non-slip (textured)
 Scabble concrete surface to prepare for new screed to falls to floor drain.
 1:3 cement / sand screed mix (s.a.s.471 & 1083) level 1 standard, 25mpa min. 60-80mm thick screed, steel trowelled finish. No dry mix allowed. Screeds to be level & even with high points ground down. Since the thickness of the topping exceeds 40 mm, the nominal size of the coarse aggregate should be increased to 19 mm. Moisture content to be checked (moisture no more than 5%.) Substrate to be free from laitance, dust and other contamination.

Coved skirting:- cut 8x8mm anchorage slots all around perimeter and on walls.
 85mm high cove up walls with Flowfresh WR applied 6mm thick, sealed with Flowfresh Coating applied and formed as per detail. Note: **Cove is applied prior to laying the floor.** Ensure minimum of 8 hours curing for cove before applying the adjacent flooring material.

Main floor area: Cut 8x8mm anchorage slots all around perimeter and floor drain.
 Apply **Flowprime** and while wet apply Scatter 3, allow to cure and apply **Flowfresh RT (6-9mm)** slip-resistant, anti-microbial polyurethane screed to falls to floor trap. Colour: 'Dusty Grey'. Ensure joints around the floor drain and wall/floor joint are watertight - apply Dymonic 100 joint sealant.

If any movement or construction joints are identified on the existing floor, apply: Dymonic 100 to joints. All work in accordance with Flowfresh Application Manual by Flowcrete approved applicator.

CILLS:

C01 - Repaint existing nutec-cement cills (internal)
 Existing cills to be sanded to form a smooth surface suitable for painting. Dust off. Fill any holes or cracks using Polycell Polyfilla Mendall 90 (801601) working off smoothly while wet. Allow 8 hours to dry. Sand to a smooth finish. Paint with 2 coats of paint as per wall finishes. (Colour to match existing)

C02 -New Nutec-cement cill (internal)
 150mm x 15mm thick Everite Nutec fibre cement window sills fitted according to Everite "Specification A15"
 Fit 19x19mm timber scotia (quarter-round) beneath cill overhang. Scotia to be primed with pink wood primer. Paint cill and scotia with 2 coats of Plason Super Universal Enamel paint as for nutec cill. (Colour to match existing)

C03 - Plastered and painted cill finished in conjunction with walls. (internal)
 New 15mm plaster to cill as per plaster described in WF02 -in conjunction with walls

C04 -Existing precast concrete cill re-positioned (external)
 Existing concrete cill to be carefully removed and re-installed on adjusted window opening. New Gundle Brickgrip DPC 375 damp proof course i (as per SANS mark 952-1985 type B) laid with minimum 150mm overlap below cill for width of window cill and depth of wall. Clean down and paint cill with Wall& All - colour to architect.

CEILING & PARTITION FINISHES:

Refer to Drawing no: 202 for full spec

WALL FINISHES:

WF01 - Existing Walls where wall tiles are to be removed and surface made good for New Finish.
 Mechanically remove all tiles and inspect walls for damages and make good to all imperfections. Break away all loose plaster to expose the brickwork and re-plaster to a blemish free surface. Where the plaster has already broken off or has been damaged, the contractor is to adequately prepare the area and re-plaster to match the existing. All plaster work to walls to receive two coats skimming plaster. Note: tiles do not need to be removed where drywalling is to be demolished. Cement for use in plaster to comply with SANS 50197-1 or SANS 50413-1.

WF02 -New plaster and paint to brickwork
 15mm plaster composed of 1 part cement to 4 parts sand, steel floated to smooth finish followed by two coats Gyproc skimcoat finish plaster. Ensure surface is free of dust and grease, refer to Plason specifications: apply first coat Plason plaster primer UC 56, apply second coat and third coat with Plason Double Velvet (VEL) as per manufacturers specs. Colour as per architect. To walls where the existing ceiling is removed, and new ceiling installed at higher level - apply WF02 -new plaster to walls above existing plaster - allow for v-joints between new and old, and at all concrete structure.

WF03 - New Plaster & Paint inside bathrooms - waterproof
 15mm 4:1 (Sand:Cement) plaster replacing 25% of the normal water content used in a plaster with Sikacem 810.The contractor must also use the best sand available and it must be sifted to remove any large organic matter or contaminants. The plaster should be wood-float finished to create a slightly textured profile to aid adhesion. Small cracks and defects in the plaster must be repaired using Prostruct 121 epoxy paste. As part of the QC process, the plaster must have a measured moisture content of less than 5%. Apply by brush and mohair roller.

1st coat - Primer - Sigmacover 280 primer thinned 10% with Sigma 91/92 thinners - application rate +-6m2 per liter.
 2nd coat - Intermediate coat - Sigmashield 880 to RAL colour - application rate +- 5m2 per liter
 3rd coat - Intermediate coat - Sigmashield 880 to RAL colour - application rate +- 5m2 per liter
 All products are to be applied in strict accordance with the relevant technical data sheets. Colour to architect. All walls in bathroom/wetroom, to ceiling height to be finished as per above. Note: any existing plaster in the area where the bathrooms will be situated is to be hacked off to sound and firm substrate, and new plaster as per WF03 applied for full height.

WF04 - Previously Painted surfaces in good condition repainted:
 Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Clean with SUGAR SOAP POWDER solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of SUGAR SOAP. Allow to dry. Sand glossy enamel surfaces to a matt finish to aid adhesion and dust off. Spot prime bare areas with appropriate primer. Ensure surface is free of dust and grease, refer to Plason spec sheet NW 460, apply first coat Plason plaster primer UC 56, apply second coat and third coat with **Plason Double Velvet** (VEL) as per manufacturers specs. Colour as per architect.

WF05 - Previously painted surfaces in poor condition repainted:
 Completely remove paint by most appropriate means e.g. scraping or course sanding. Wash thoroughly with SUGAR SOAP POWDER solution. Rinse with fresh water. Ensure that concrete has dried for at least four weeks and other masonry surfaces two weeks before painting. Remove any oil, grease and mould release agents with an approved DEGREASER. Rinse thoroughly. Prime entire area with PLASTER PRIMER. Chalky surfaces: Scrub with a SUGAR SOAP solution & rinse with clean water. Apply BONDING LIQUID or PLASTER PRIMER. N.B. BONDING LIQUID must be allowed to dry for at least 16 hrs. Filling: Fill defects with a SABS Approved acrylic filler. Spot prime filled areas with PLASTER PRIMER. Ensure surface is free of dust and grease, refer to Plason spec sheet NW 460, apply first coat Plason plaster primer UC 56, apply second coat and third coat with **Plason Double Velvet** (VEL) as per manufacturers specs. Colour as per architect.

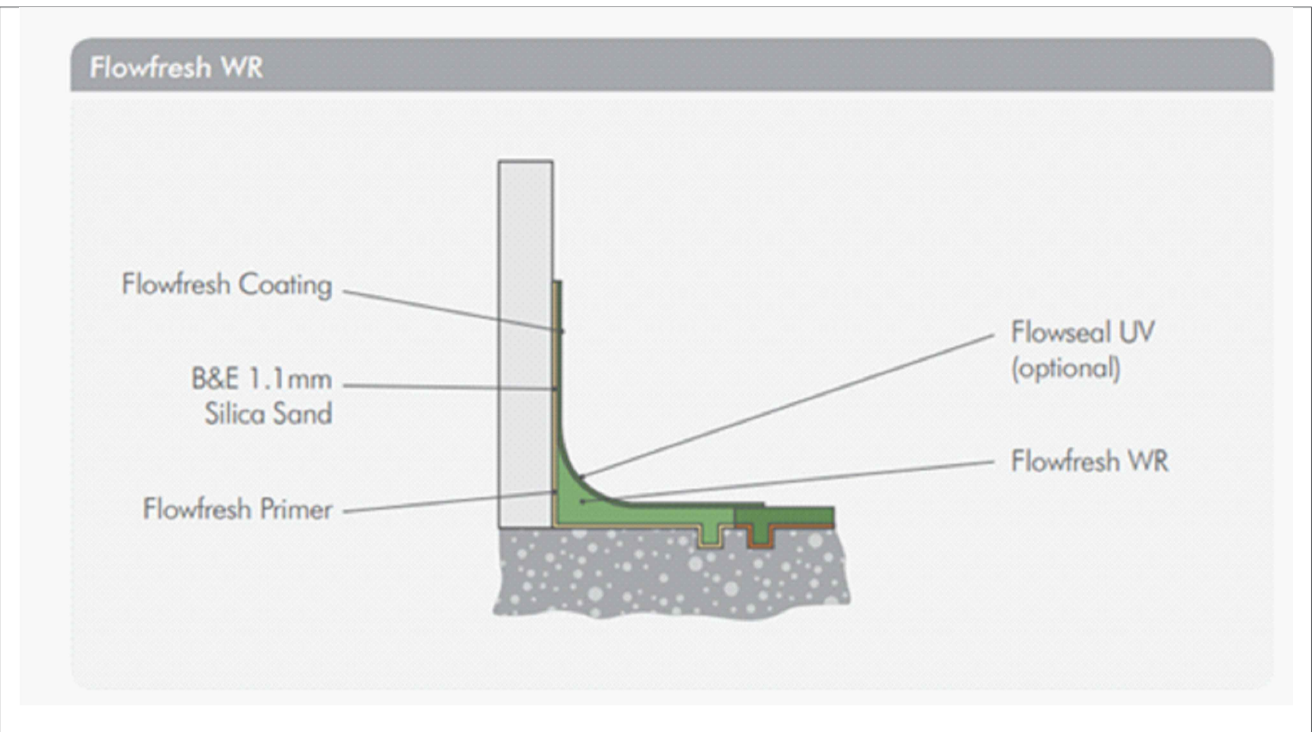
WF06 - Small Areas of Existing Broken/ Damaged Plaster
 Open damaged area sufficiently to allow repair material to be adequately filled in order to achieve a mechanical bond. Clean away dust, grease and grime from surface. Fill areas with Polycell Polyfilla Masonry Patching Plaster (102003), by using a putty knife or trowel. Smooth off whilst still wet. Allow to dry for 24hours. Patch prime using Professional Gypsum & Plaster Primer (PP 700) and allow 16 hours drying at 23°C. NB: Texture on repaired areas must be finished off to match the existing profile. Ensure surface is free of dust and grease, refer to Plason spec sheet NW 460, apply first coat Plason plaster primer UC 56, apply second coat and third coat with **Plason Double Velvet** (VEL) as per manufacturers specs. Colour as per architect.

WF07 - New paint to new skimmed Drywall partitions
 Refer to Drawing no: T202 for full finishing spec on drywalling

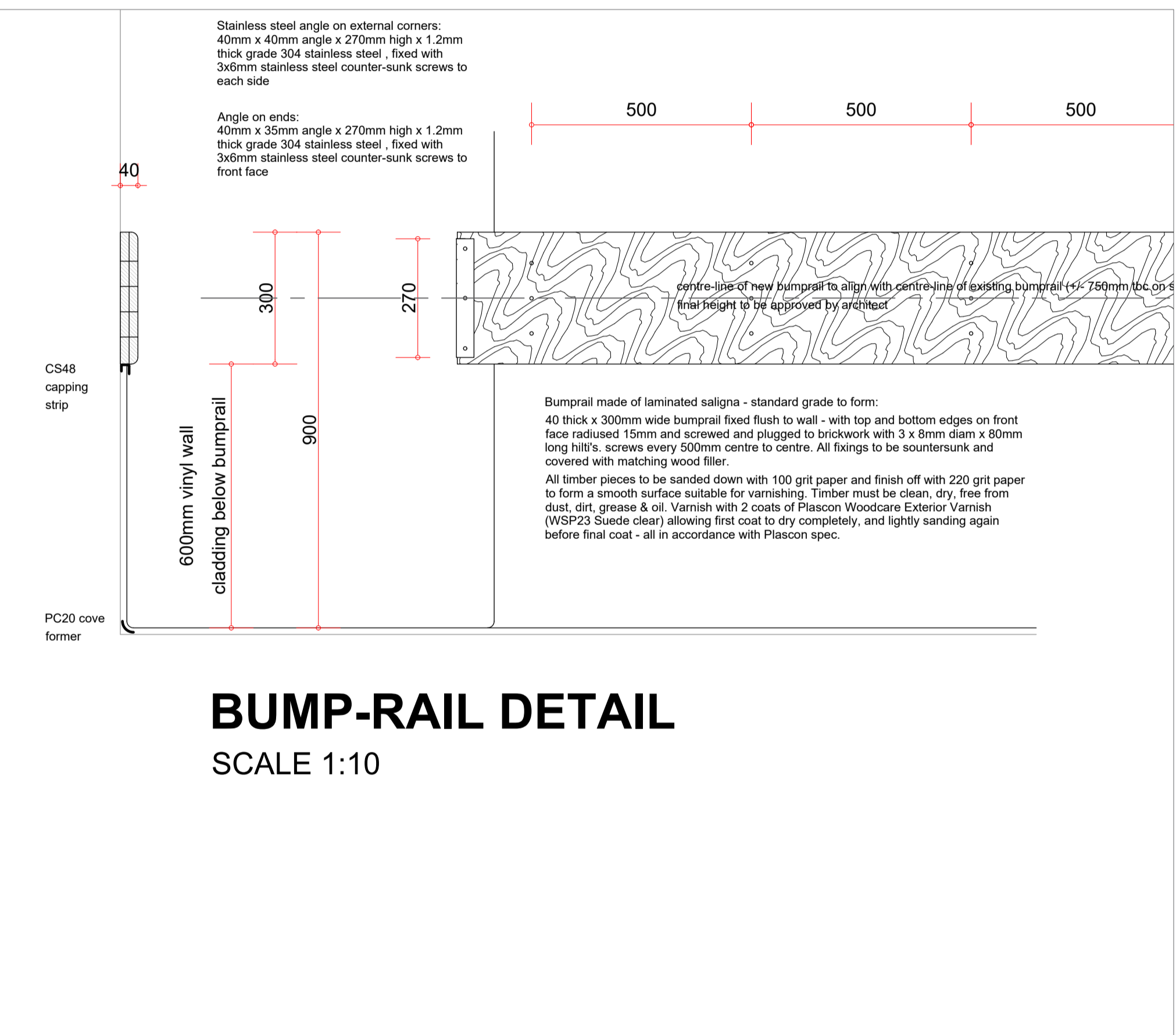
WF08 - New Tiled Panel at washbasin fitting
 min. 400mm high tiled panel for full width of fitting. Allow R200/m2 for tiles only ex.vat - gloss white ceramic tiles to architect's approval - sample to be provided. Tiles fixed to walls with Progrid Flexigrip tile adhesive and grouted with Progrid anti-bacterial, waterproof grout. Finish top edge and all exposed corners with Promax polished aluminiumnm straight-edge trim, suited to tile thickness. **Refer to general notes for specific tiling spec for masonry/dry-wall substrate**

WF09 - Vinyl wall cladding
 Supply and install 2mm Polyflor Classic PUR homogeneous monolayer vinyl sheeting with PUR polyurethane reinforcement cross linked and UV cured surface treatment as wall cladding in conjunction with site-formed vinyl floor coving to form a hygienic watertight finish. Install the PC20 Cove Former at the wall/floor junction (as per FF03). Adhere the cove former using a Polysales recommended contact adhesive. Use a mitre-block to accurately cut internal and external corners and only adjust for length on straight cuts. Cut to size and install single continuous colour vinyl sheeting as a coved skirting allowing a 'foot' of 150mm on the floor and a height of 600mm to meet bump rail against the wall. Install CS48 Capping Strip as a finish to the top of the coved sheeting using Polysales recommended contact adhesive. To prevent a difficult fit, and potential weak spot near doorways, cut away the back edge of the cove former on a taper for 150mm so that there is minimal cove former near the doorway. The coving must be washed with a neutral detergent and buffed to remove any scuff marks.

WF10 - New wall protection/bump rail
 Fit new bump rails as per detail on this sheet



TYPICAL FLOOR-WALL DETAIL: FLOWFRESH RT IN PATIENT BATHROOMS NTS



BUMP-RAIL DETAIL

SCALE 1:10

WF11 - Wallpaper Mural
 Large format wallpaper mural in "Duramat" fabric from wallpaperonline.co.za to suit 3.5m x 3m high. Wide-format panels to be supplied (1.2m) Ensure painted wall is smooth and dry, and free of any dust or dirt. All fixtures (such as switch covers etc.) to be removed prior to papering and cutouts created on completion. Ensure overlap and splice of each sheet, applying mural with manufacturer approved wallpaper paste, mixed according to manufacturer's instructions. Ensure alignment to pattern match and smooth out any bubbles with a soft cloth immediately. Excess paste to be wiped off gently with a clean damp cloth as soon as possible. Trim any excess paper at the top and bottom of each drop using a sharp knife as well as the overlap. Smooth the paper from the middle out, using enough pressure to force the bubbles out through the edges. Edges to be silicone sealed on completion. Male Open Area: - 'Mural Crystal Streams' SKU 387327938-1 / Female Ward: 'Mural Forest Floor' - SKU 262272042-1. Final selection to be confirmed at time of ordering

WF12 - Bagged and painted
 All joints and perps to brickwork on inside face of duct walls to be made smooth and flush. Ensure wall is dry and free of grease. Apply A.Shal (pty) Ltd 'PlasterKey' universal water-based bonding agent mixed in accordance with manufacturer's instructions, and applied using a blockbrush. Apply bagging (2 cement : 1 sand mix) using blockbrush in circular motions. Allow to dry completely and paint with 2 coats Plason Super Acrylic PVA. Colour: White.

NOTES

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Rev	Date	Revision

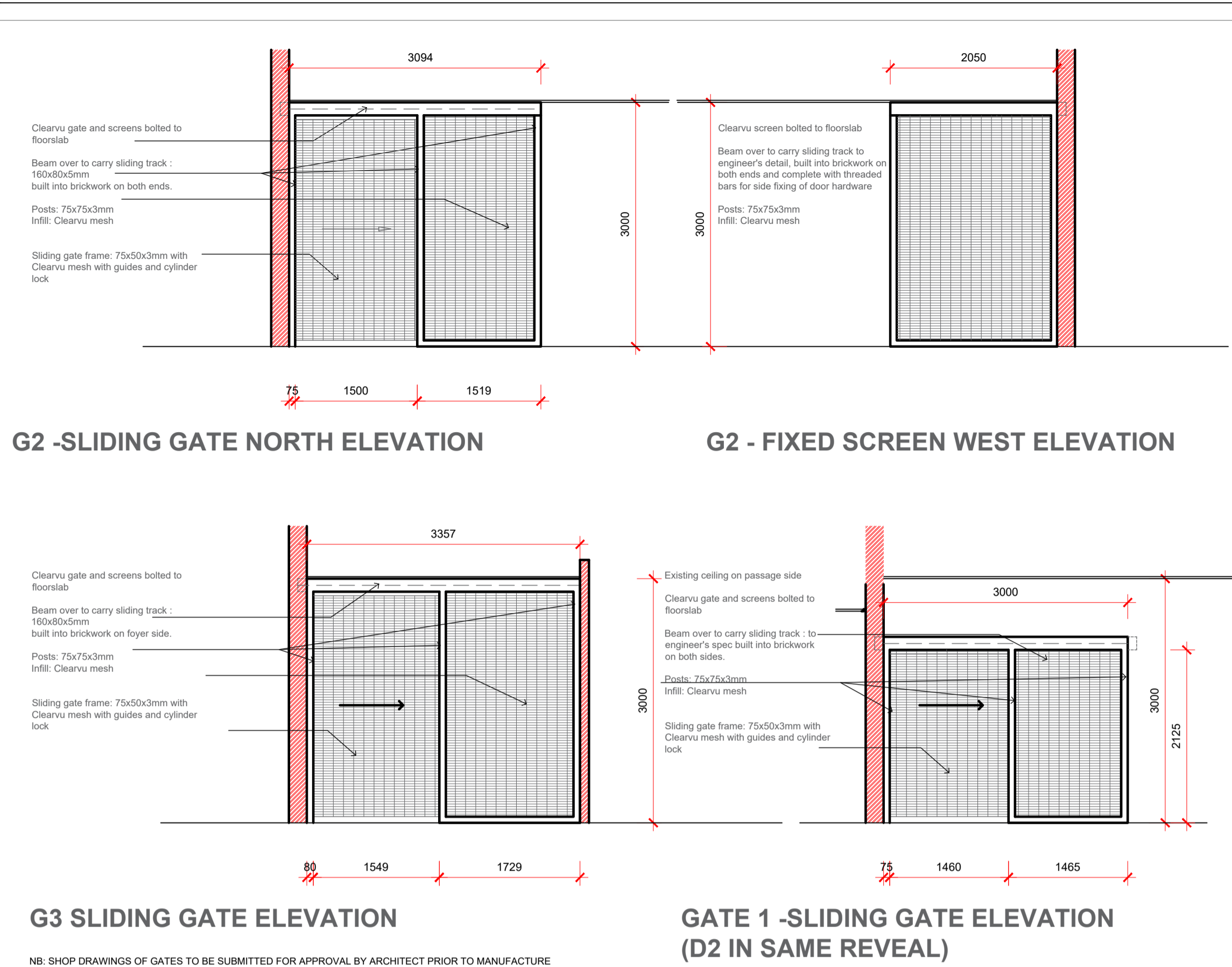
Project
ECDOH PMU-2 PRF-37 INFRASTRUCTURE IMPROVEMENTS AT LIVINGSTONE HOSPITAL A&E HOLDING AREA

Title
FINISHES SCHEDULE

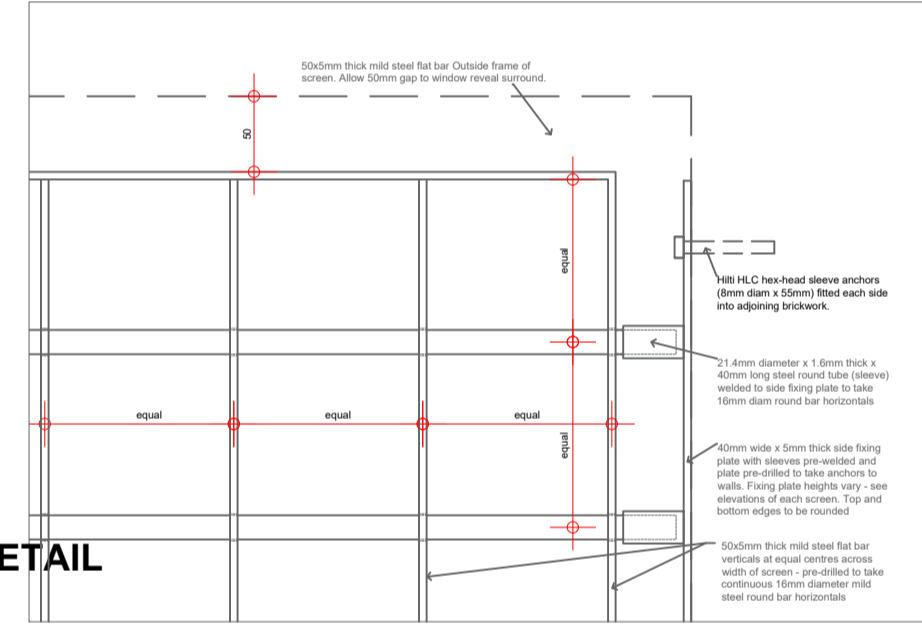
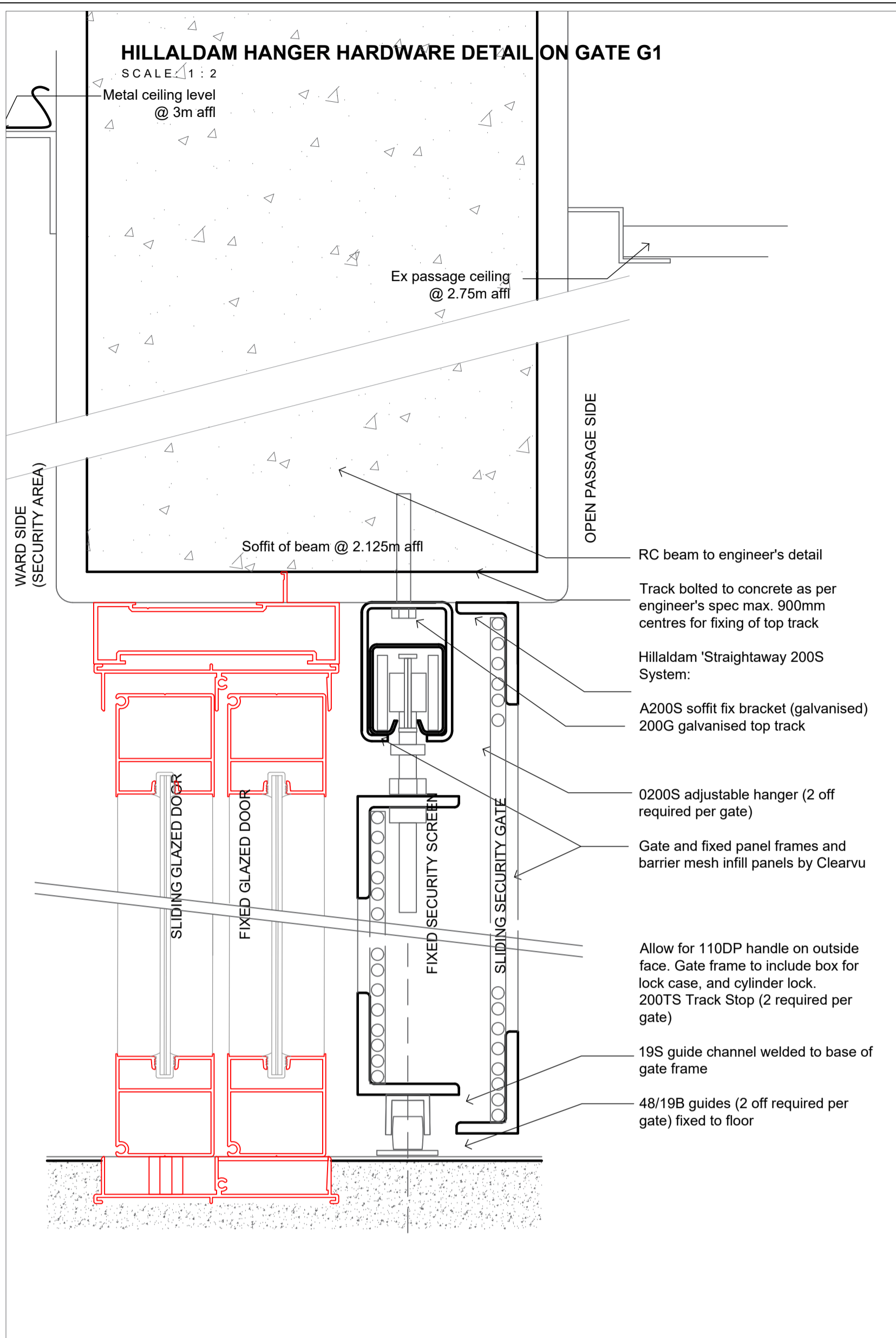
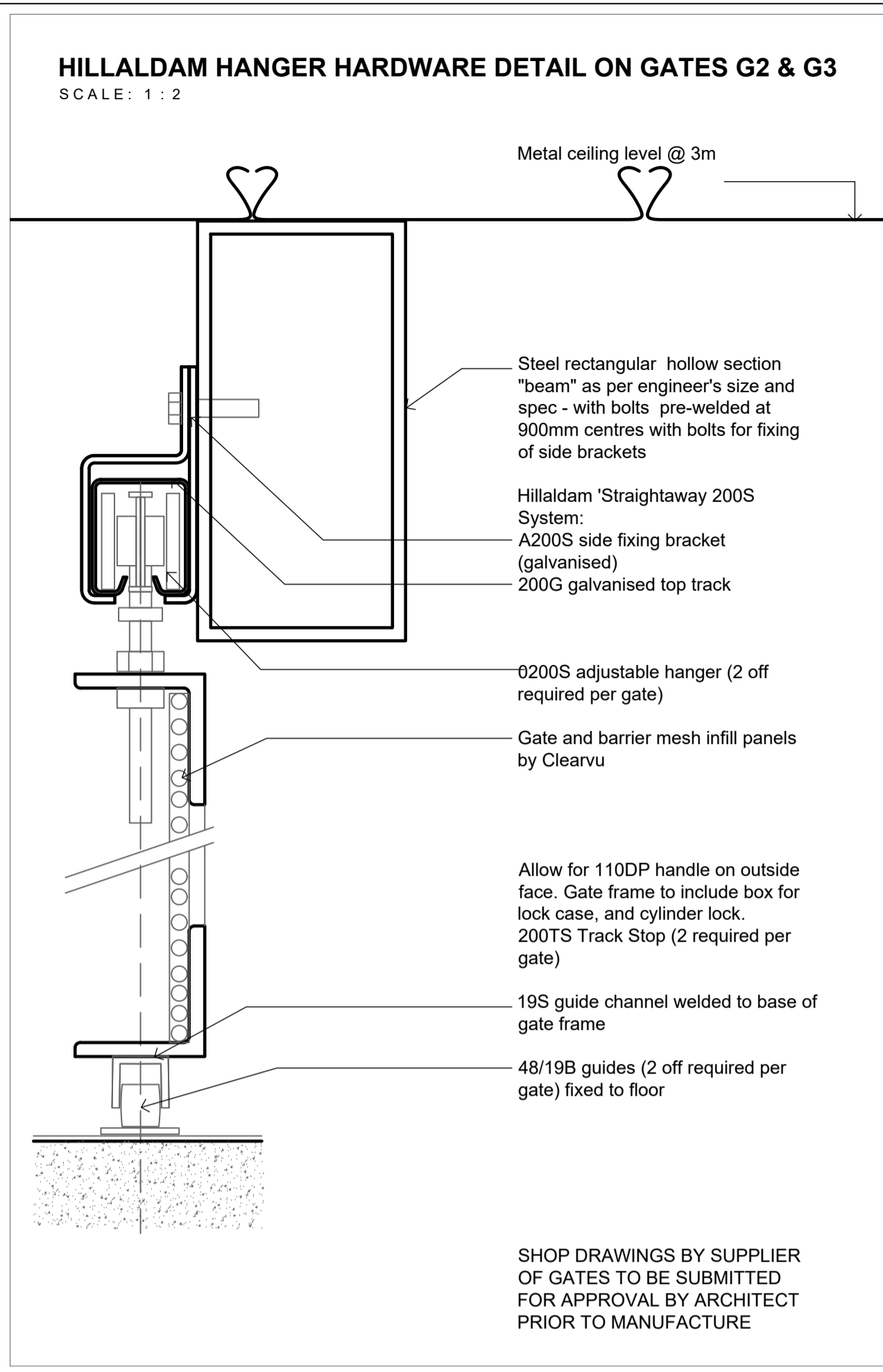
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varies	2025-05-02	MS	WAM

FOR TENDER

DRAWING No **240028-PRF-37-802** REVISION **00**



SECURITY GATES AND SCREENS
SCALE: 1 : 50



WINDOW SECURITY SCREENS DETAIL
SCALE: 1 : 2

NOTES

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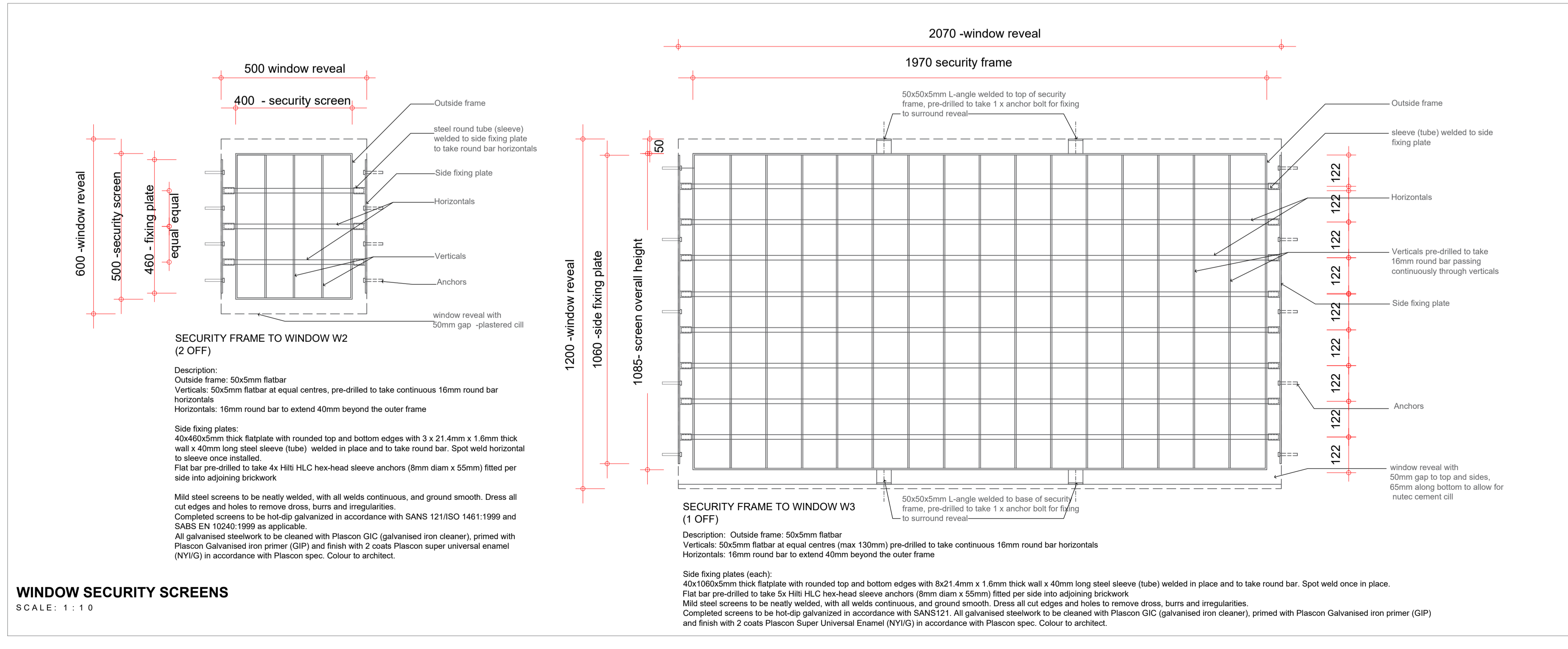
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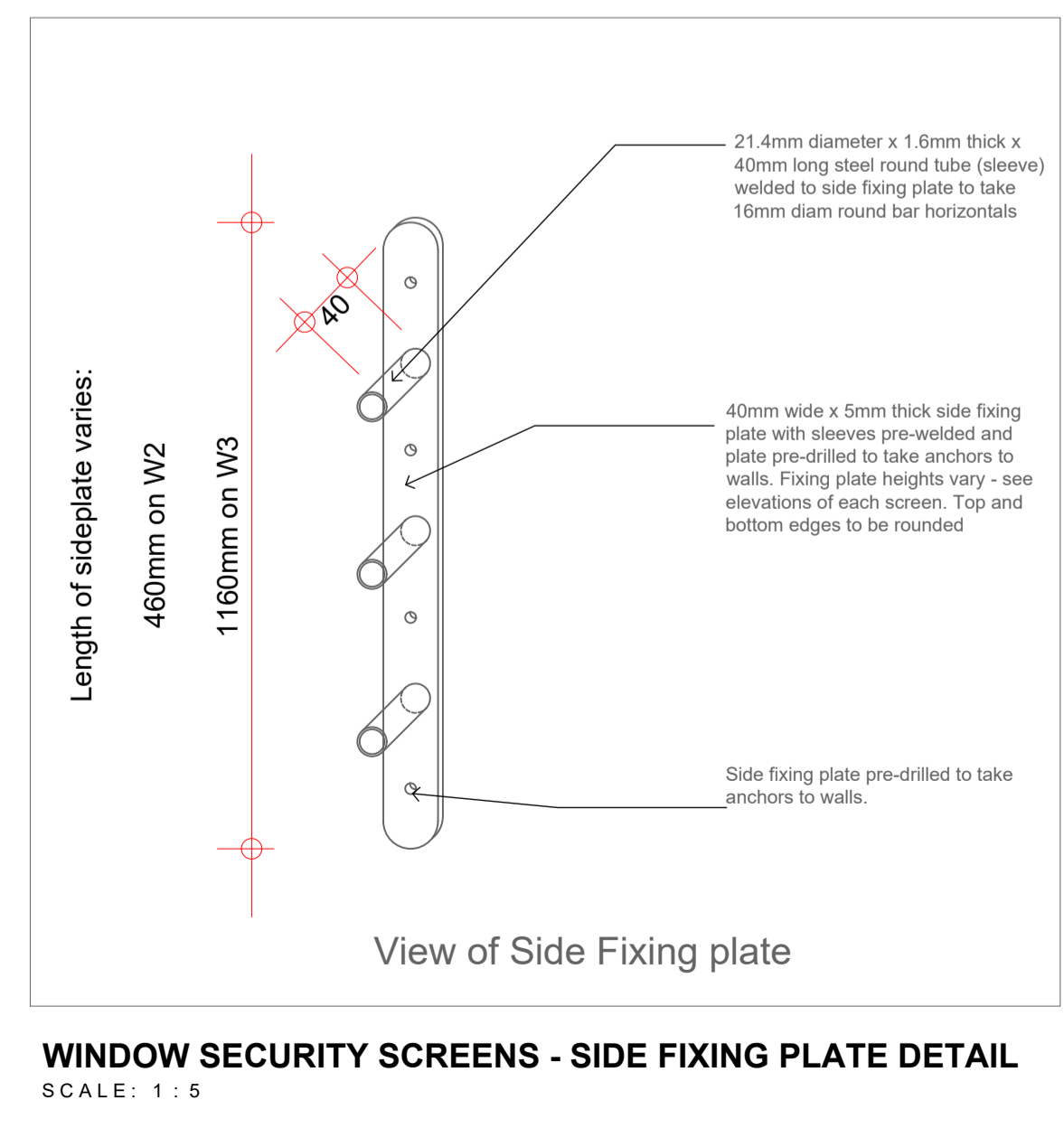
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Rev	Date	Revision
1	21/05/2025	G1 height reduced



WINDOW SECURITY SCREENS
SCALE: 1 : 1.0



WINDOW SECURITY SCREENS - SIDE FIXING PLATE DETAIL
SCALE: 1 : 1.0

Project

ECDOH PMU-2 PRF-37 INFRASTRUCTURE IMPROVEMENTS AT LIVINGSTONE HOSPITAL A&E HOLDING AREA

Title

SECURITY GATES AND SCREENS

Scale VARIES
Date 2025-05-15
Drawn MS
Checked WAM

FOR TENDER

DRAWING No 240028-PRF-37-803
REVISION 01

Control List

PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

Door Number	Hardware Set	Location	Handing	Door Material	Security Control
D1.	01	NEW STAFF WC	SA	TIMBER	
D2.	02	OPEN AREA - MALE BEDS	SGD - AUTO	ALUMINIUM	
D3.	03	FEMALE ABL	SA - OUTWARD	TIMBER	
D3.	04	MALE ABL	SA - OUTWARD	TIMBER	
D5.	06	DUCT	SA	TIMBER	
D4.	07	WARD	SA 1.5 LEAF	TIMBER	
G1.	08	OPEN AREA - MALE BEDS	SGD	GMS	YES
D7.	05	FEMALE WARD	SA	TIMBER	

HARDWARE PER SET



PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

HARDWARE FOR SET:		01		
Hardware Set Quantity :		1		
Notes		Handing Of Lever Furniture To Be Confirmed Prior To Ordering.		
Doors (1)		D1.		
Product Code	Description	Finish	Qty	Units
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	1.5	Pair
TH120 BP WC RH S.S	dormakaba Lever handle on 170x170 plate with Bathroom/WC Furniture RH	Stainless Steel	1	Set
D035S SS	dormakaba Bathroom Sash Lock. Case dimensions (mm) 102H x 78D. Forend dimensions (mm) 155H x 22W. Backset 57mm. Centres 57mm.	Stainless Steel	1	Each
DHC-SS-030A	dormakaba Hat and Coat Hook	Stainless Steel	1	Each
DKP-430-SF 300	dormakaba 300x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 12 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	430 Brushed Stainless Steel	2	Each

HARDWARE PER SET



PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

HARDWARE FOR SET:		02		
Hardware Set Quantity :	1			
Notes				
Doors (1)	D2.			
Product Code	Description	Finish	Qty	Units
SDABO	Sliding door accessories, track, hangers guides and stops by other to architects approval		1	Each
DFP-SS-025	dormakaba 120x40mm Rectangular Flush Pull Handle	Stainless Steel	2	Each
D02935 SS	dormakaba Narrow Stile Hook Lock Operating with European Profile Cylinder. Case dimentions (mm) 174H x 45D. Forend dimentions (mm) 290H x 22W. Backset 35mm. 18mm Throw	Stainless Steel	1	Each
DDC056301 KD (63mm)	dormakaba 63mm five pin Euro-profile Double Cylinder Key to Differ	Satin Nickel	1	Each
DCE-105 S.S	dormakaba Narrow Stile Cylinder escutcheon	Stainless Steel	1	Pair

HARDWARE PER SET

PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

HARDWARE FOR SET:		03		
Hardware Set Quantity :	1			
Notes	Frame Prepared To Accept Roller Catch. Escutcheon Cover Plates To Be Epoxy Glued. Steel Frame Prepared To Accept 1,5 Prs Of Hinges As Per Architects Instruction And Positioned Accordingly			
Doors (1)	D3.			
Product Code	Description	Finish	Qty	Units
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	1.5	Pair
DFP-SS-024	dormakaba 120x40mm Oval Flush Pull Handle	Stainless Steel	2	Each
DMWC-SS-008	dormakaba Bathroom Deadlock. Case dimensions (mm) 38H x 76D. Forend dimensions (mm) 78H x 22.5W. Backset 55mm.	Stainless Steel	1	Each
DWC-005	dormakaba Bathroom WC indicator (Red and White) and turnknob	Stainless Steel	1	Set
DSS-131 F	dormakaba 150x150mm FEMALE sign	Stainless Steel	1	Each
DBC-SS-022	dormakaba Adjustable Roller Bolt	Stainless Steel	1	Each

HARDWARE PER SET

PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

HARDWARE FOR SET:		04		
Hardware Set Quantity :		1		
Notes		Frame Prepared To Accept Roller Catch. Escutcheon Cover Plates To Be Epoxy Glued. Steel Frame Prepared To Accept 1,5 Prs Of Hinges As Per Architects Instruction And Positioned Accordingly		
Doors (1)		D3.		
Product Code	Description	Finish	Qty	Units
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	1.5	Pair
DFP-SS-024	dormakaba 120x40mm Oval Flush Pull Handle	Stainless Steel	2	Each
DMWC-SS-008	dormakaba Bathroom Deadlock. Case dimensions (mm) 38H x 76D. Forend dimensions (mm) 78H x 22.5W. Backset 55mm.	Stainless Steel	1	Each
DWC-005	dormakaba Bathroom WC indicator (Red and White) and turnknob	Stainless Steel	1	Set
DSS-130 M	dormakaba 150x150mm MALE sign	Stainless Steel	1	Each
DBC-SS-022	dormakaba Adjustable Roller Bolt	Stainless Steel	1	Each

HARDWARE PER SET

PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

HARDWARE FOR SET:		06		
Hardware Set Quantity :		1		
Notes		Fit 1 Only Ecutcheon To Outside Steel Frame Prepared To Accept 1,5 Prs Of Hinges As Per Architects Instruction And Positioned Accordingly		
Doors (1)		D5.		
Product Code	Description	Finish	Qty	Units
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	1	Pair
DFP-SS-024	dormakaba 120x40mm Oval Flush Pull Handle	Stainless Steel	1	Each
DSC054101 KD (41mm)	dormakaba 41mm five pin Euro-profile Single Cylinder Key to Differ	Nickel Plated	1	Each

HARDWARE PER SET

PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

HARDWARE FOR SET:		07		
Hardware Set Quantity :	1			
Notes	Steel Frame Prepared To Accept 1,5 Prs Of Hinges As Per Architects Instruction And Positioned Accordingly			
Doors (1)	D4.			
Product Code	Description	Finish	Qty	Units
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	3	Pair
TH120 BP Cyl S.S	dormakaba Lever handle on 170x170 plate with Cylinder cutout	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
D038R NP	dormakaba Rebate conversion kit for Euro Profile locks D036S, D037D.	Nickel Plated	1	Each
DDC056301 KD (63mm)	dormakaba 63mm five pin Euro-profile Double Cylinder Key to Differ	Satin Nickel	1	Each
DFB-SC-180	dormakaba 153mm Manual flush bolt with heel	Satin Chrome	2	Each
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	1	Each
DPS-SS-032	dormakaba Dust Proof Strike	Stainless Steel	1	Each

HARDWARE PER SET

PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

HARDWARE FOR SET:		08		
Hardware Set Quantity :	1			
Notes				
Doors (1)	G1.			
Product Code	Description	Finish	Qty	Units
SDABO	Sliding door accessories, track, hangers guides and stops by other to architects approval		1	Each
ACBSS	Access control by security specialist		1	Each

HARDWARE FOR SET:		05		
Hardware Set Quantity :	1			
Notes	Steel Frame Prepared To Accept 1,5 Prs Of Hinges As Per Architects Instruction And Positioned Accordingly			
Doors (1)	D7.			
Product Code	Description	Finish	Qty	Units
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	1.5	Pair
TH120 BP Cyl S.S	dormakaba Lever handle on 170x170 plate with Cylinder cutout	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DDC056301 KD (63mm)	dormakaba 63mm five pin Euro-profile Double Cylinder Key to Differ	Satin Nickel	1	Each
DKP-430-SF 300	dormakaba 300x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 12 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	430 Brushed Stainless Steel	2	Each

BILL OF MATERIALS

PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	Pair	10.0		
SDABO	Sliding door accessories, track, hangers guides and stops by other to architects approval		Each	2.0		
ACBSS	Access control by security specialist		Each	1.0		
D02935 SS	dormakaba 120x40mm Oval Flush Pull Handle	Stainless Steel	Each	5.0		
D036S SS	dormakaba 120x40mm Rectangular Flush Pull Handle	Stainless Steel	Each	2.0		
TH120 BP Cyl S.S	dormakaba Lever handle on 170x170 plate with Cylinder cutout	Stainless Steel	Set	2.0		
TH120 BP WC RH S.S	dormakaba Lever handle on 170x170 plate with Bathroom/WC Furniture RH	Stainless Steel	Set	1.0		
D035S SS	dormakaba Narrow Stile Hook Lock Operating with European Profile Cylinder. Case dimentions (mm) 174H x 45D. Forend dimentions (mm) 290H x 22W. Backset 35mm. 18mm Throw	Stainless Steel	Each	1.0		
D036S SS	dormakaba Bathroom Sash Lock. Case dimensions (mm) 102H x 78D. Forend dimensions (mm) 155H x 22W. Backset 57mm. Centres 57mm.	Stainless Steel	Each	1.0		
DMWC-SS-008	dormakaba Bathroom Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	Each	2.0		
D038R NP	dormakaba Rebate conversion kit for Euro Profile locks D036S, D037D.	Nickel Plated	Each	1.0		

BILL OF MATERIALS

PROJECT NAME: SRH03.10.2025. - Livingstone Hospital. Ablution Upgrade, A & E.

REPORT DATE: 27/05/2025

PROFESSIONAL:

REVISION DATE: 27/05/2025

CONSULTANT: Shaun Harvey

REVISION: v 3

Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
DDC056301 KD (63mm)	dormakaba 63mm five pin Euro-profile Double Cylinder Key to Differ	Satin Nickel	Each	3.0		
DWC-005	dormakaba Bathroom WC indicator (Red and White) and turnknob	Stainless Steel	Set	2.0		
DCE-105 S.S	dormakaba Narrow Stile Cylinder escutcheon	Stainless Steel	Pair	1.0		
DSC054101 KD (41mm)	dormakaba 41mm five pin Euro-profile Single Cylinder Key to Differ	Nickel Plated	Each	1.0		
DSS-130 M	dormakaba 150x150mm MALE sign	Stainless Steel	Each	1.0		
DSS-131 F	dormakaba 150x150mm FEMALE sign	Stainless Steel	Each	1.0		
DBC-SS-022	dormakaba Adjustable Roller Bolt	Stainless Steel	Each	2.0		
DFB-SC-180	dormakaba 153mm Manual flush bolt with heel	Satin Chrome	Each	2.0		
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	Each	1.0		
DPS-SS-032	dormakaba Dust Proof Strike	Stainless Steel	Each	1.0		
DHC-SS-030A	dormakaba Hat and Coat Hook	Stainless Steel	Each	1.0		
DKP-430-SF 300	dormakaba 300x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 12 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	430 Brushed Stainless Steel	Each	4.0		
Total (ZAR)						

NOTES

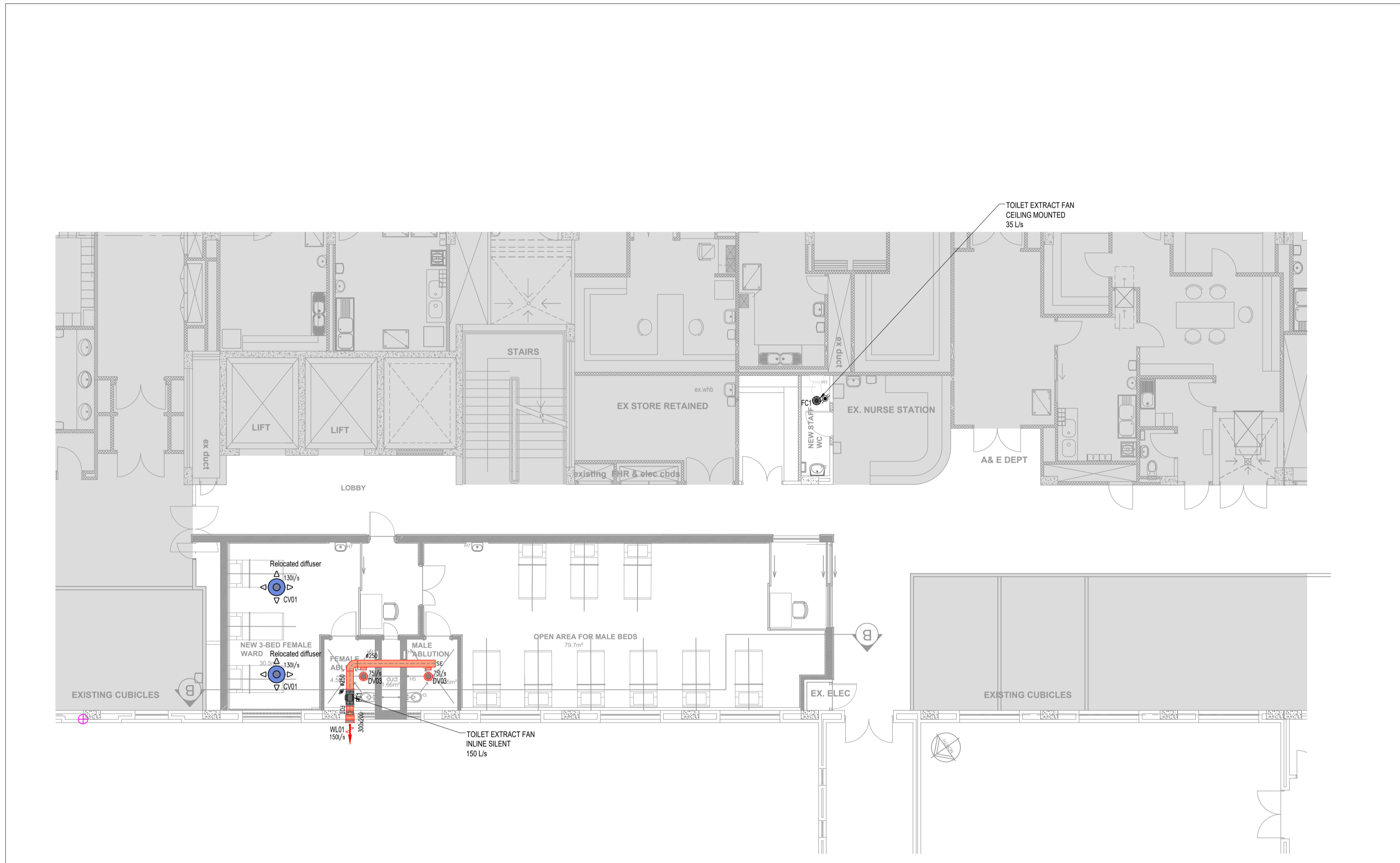
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Rev	Date	Revision
01	14-07-2025	REVISED TO LATEST ARCHITECTURAL LAYOUT
00	14-02-2025	ISSUED FOR CONSTRUCTION

Project

**ECDOH PMU-2
PRF-37
IMPROVEMENTS TO A+E
HOLDING AREA AT
LIVINGSTONE HOSPITAL**

Title

**STAGE 3 - DESIGN DEVELOPMENT
PLAN**

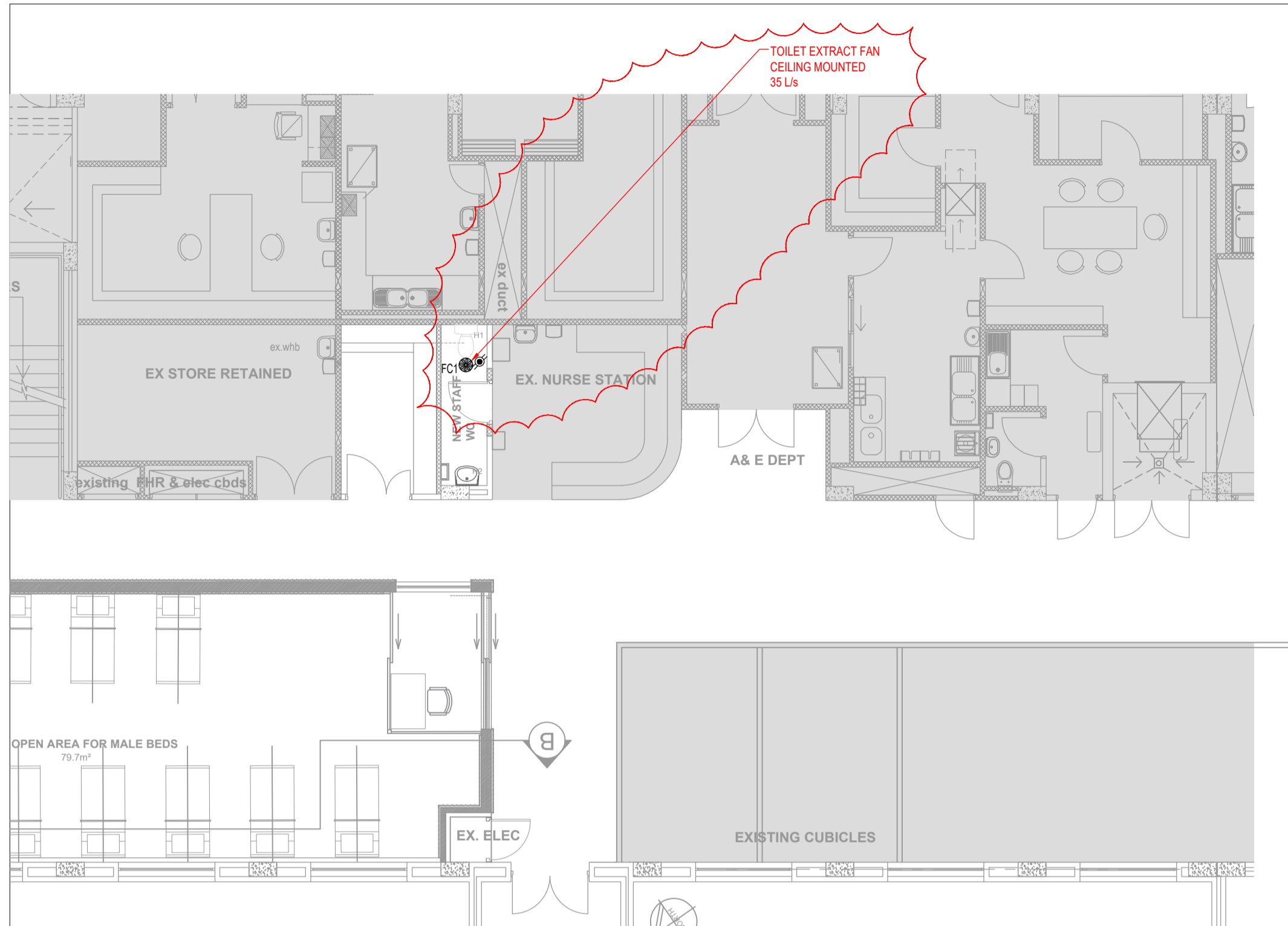
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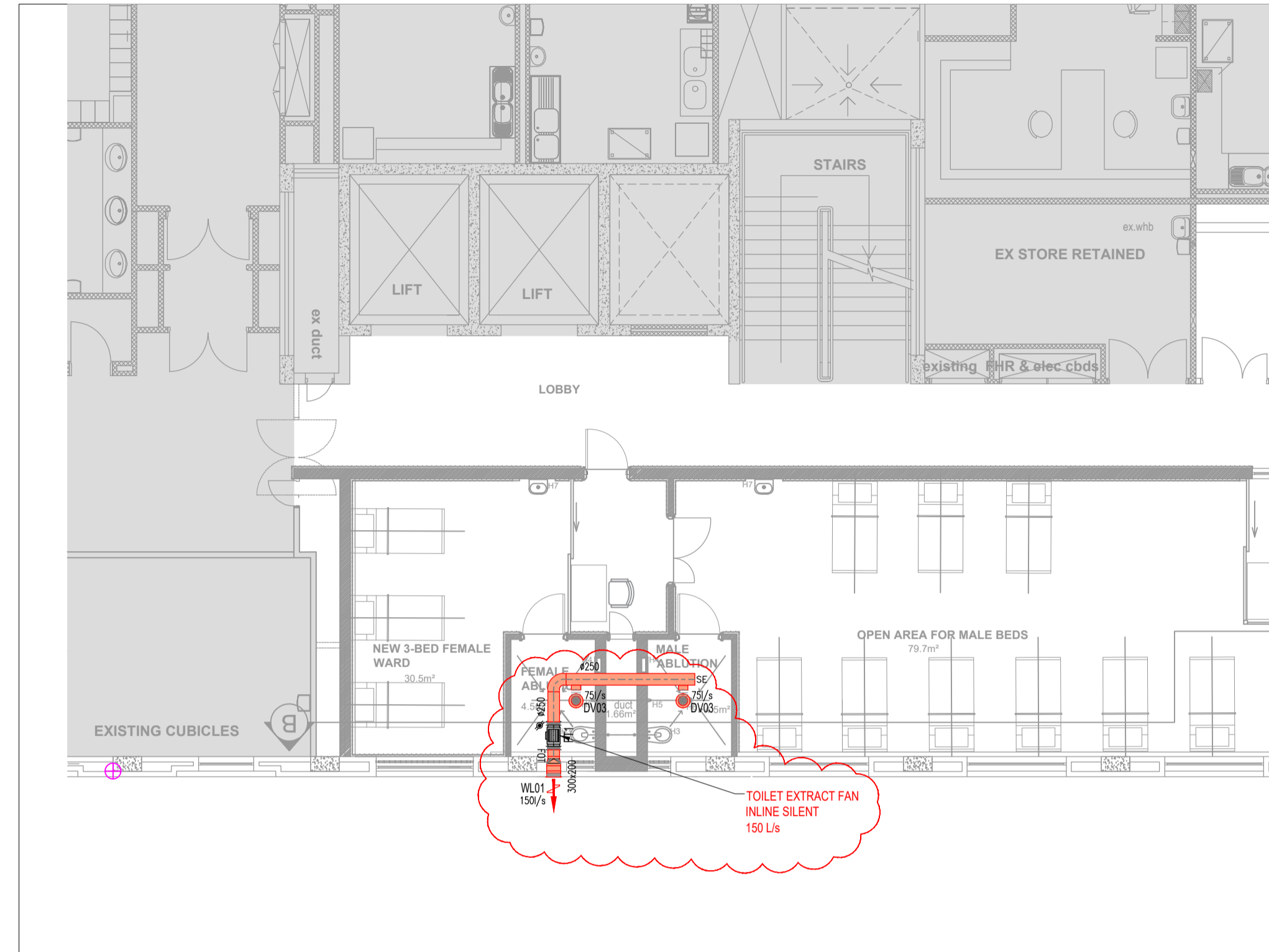
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REVISION

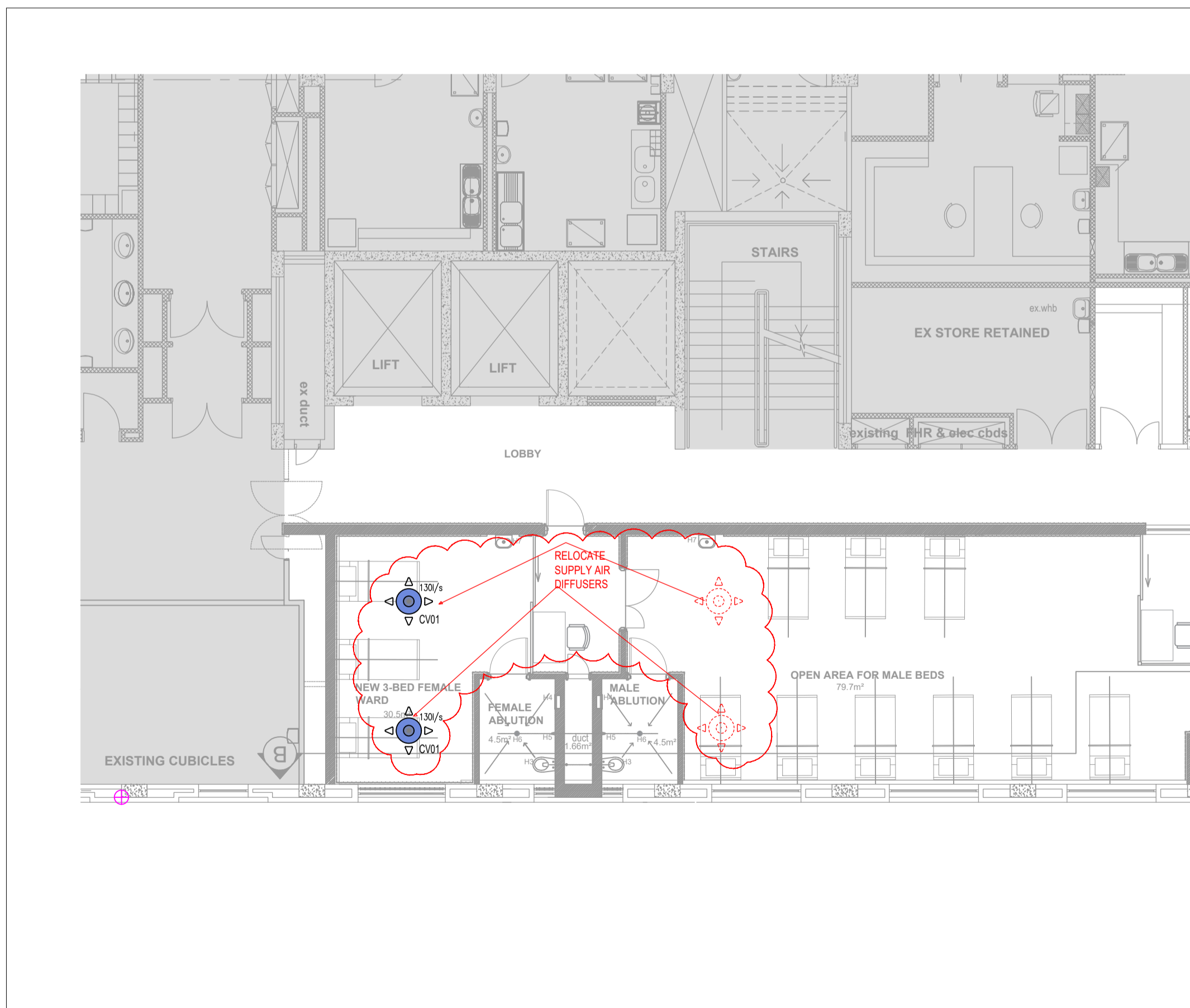
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PHASE 1: WALL MOUNTED EXTRACT FAN



PHASE 2: DUCTED TOILET EXTRACT SYSTEM



PHASE 3: RELOCATION OF AC DIFFUSERS

NOTES

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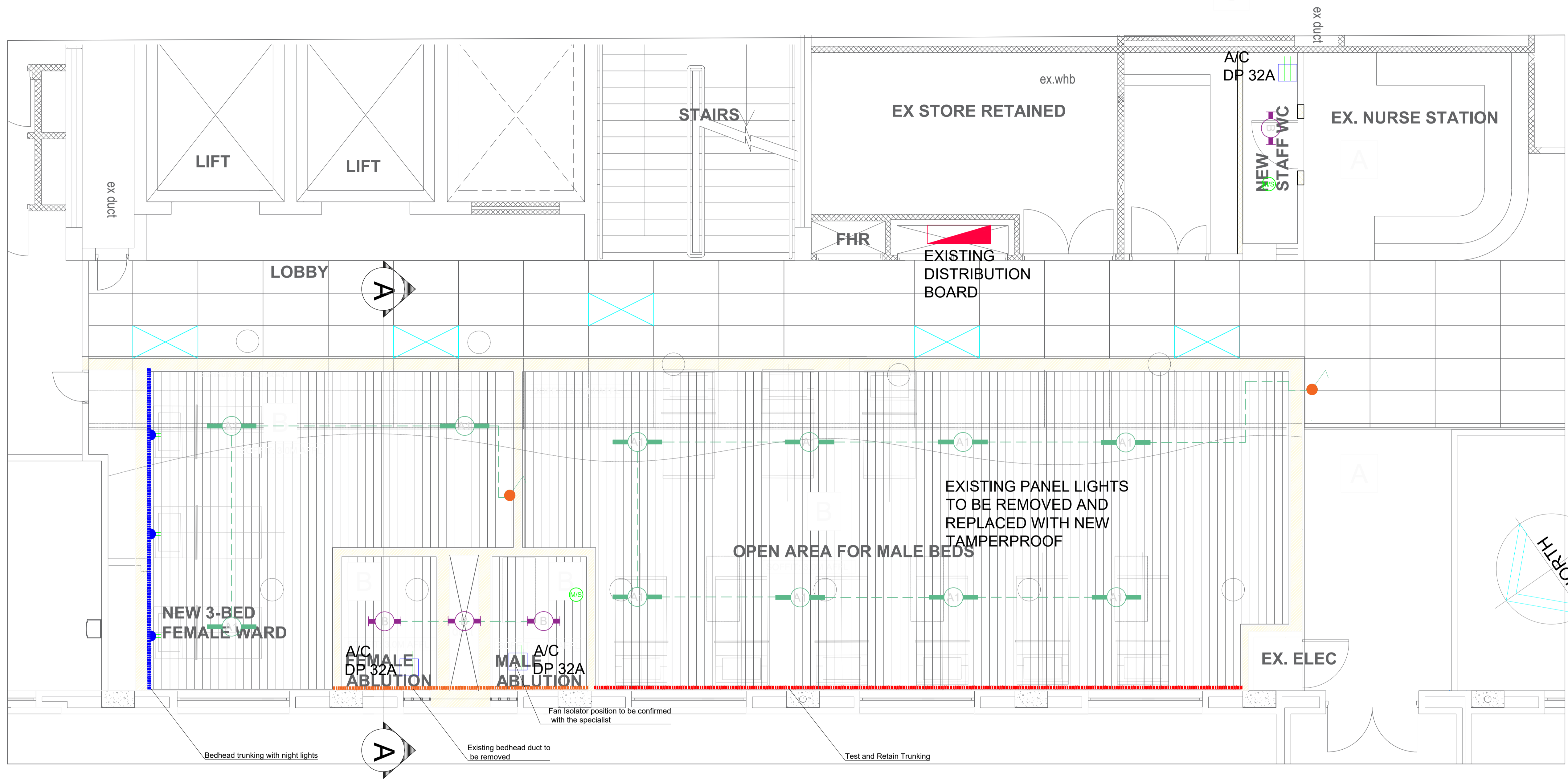
Rev	Date	Revision
01	14-07-2025	REVISED TO LATEST ARCHITECTURAL LAYOUT
00	14-02-2025	ISSUED FOR CONSTRUCTION

Project
**ECDOH PMU-2
 PRF-37
 IMPROVEMENTS TO A+E
 HOLDING AREA AT
 LIVINGSTONE HOSPITAL**

Title
**STAGE 3 - DESIGN DEVELOPMENT
 PLAN**

Scale	Date	Drawn	Checked
1:100	2025-02-14	MS	RM

DRAWING No	REVISION
R1751-HVAC-01	01



LEGEND:

LIGHTING	
	VANDAL PROOF 742mm 55W LED 4000K WITH N LIGHT
	VANDAL PROOF 356mm 15W LED 4000K WITH N LIGHT
	NASA 1200mm 35W LED 4000K
	LED COVE 14 STRIP LIGHT 15W/m 4000K
	LUXON PANEL 600x600 36W 4000K CR190 OPAL
	SKY PENDANT 600mm Ø 54W 4000K CR180 OPAL
	STARR 1 7W Lucent GU10 4000K
	17W LED Bulkhead 4000K
	30W LED Floodlight
	SUTTLE DOUBLE 2x17W GU10 4000K
	DOUBLE LEVER SWITCH
	16A LIGHT SWITCH
	MOTION SENSOR

POWER	
	2 TIER GALVANIZED POWER SKIRTING
	2 TIER GALVANIZED POWER SKIRTING
	ELECTRICAL DISTRIBUTION BOARD, TO SEPARATE DETAIL
	16A SINGLE SWITCHED SOCKET OUTLET 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	16A DOUBLE SWITCHED SOCKET OUTLET SUBLINE & NORMAL 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	16A DEDICATED SINGLE SWITCHED SOCKET OUTLET 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	DOUBLE POLE ISOLATOR IN CEILING VOID UNLESS OTHERWISE INDICATED 100x100x50 SCB
	DATA OUTLET POINT WITH DRAW WIRE

REVISIONS:				
No.	Date	By	Description	
00	21-07-2025	LM	Issued for approval	
00	11-09-2025	LM	Issued for tender	



PROJECT TITLE: **ECDOH PUM2 PRF37 INFRASTRUCTURE IMPROVEMENT AT LIVINGSTONE HOSPITAL A&E HOLDING AREA**

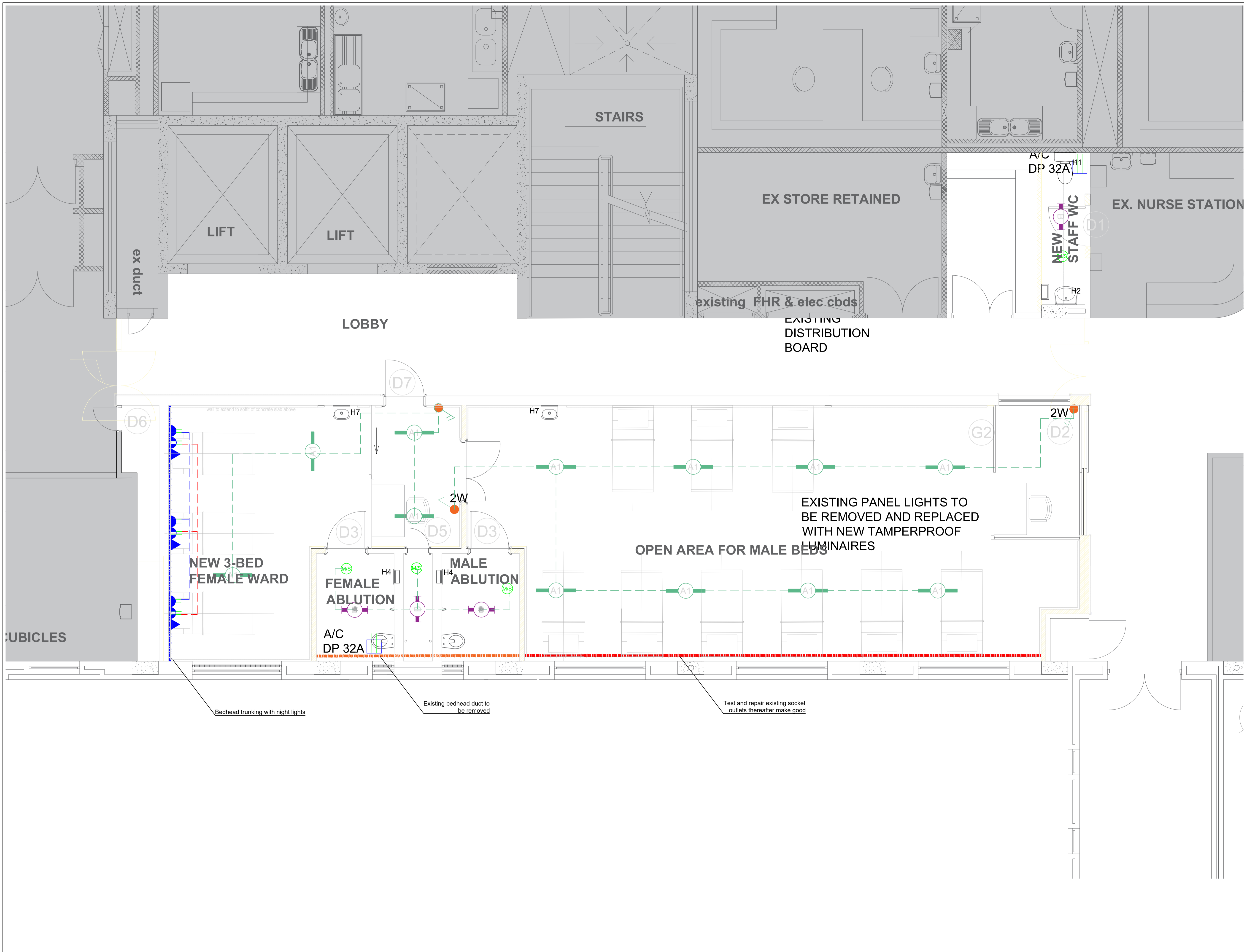
DISCIPLINE: **ELECTRICAL**

DRAWING TITLE: **LIGHTING AND POWER LAYOUT**

DESIGNED: LM	DRAWN: SA	APPROVED: LM
SCALE: NS	COPYRIGHT RESERVED	DATE: 12/06/25
ARCH SHEET NO: 240028-PRF37-200		REV: 01
DRAWING NO: P2402-PRF37-E-001		REV: 01

PROJECT STATUS: **Tender**

VERSION: 1.0



LEGEND:

LIGHTING	
	VANDAL PROOF 742mm 55W LED 4000K WITH N LIGHT
	VANDAL PROOF 356mm 15W LED 4000K WITH N LIGHT
	NASA 1200mm 35W LED 4000K
	LED COVE 14 STRIP LIGHT 15W/m 4000K
	LUXON PANEL 600x600 36W 4000K CR190 OPAL
	SKY PENDANT 600mm dia 54W 4000K CR180 OPAL
	STARR 1 7W Lucent GU10 4000K
	17W LED Bulkhead 4000K
	30W LED Floodlight
	SUTTLE DOUBLE 2x17W GU10 4000K
	DOUBLE LEVER SWITCH
	16A LIGHT SWITCH
	MOTION SENSOR

POWER	
	EXISTING ALUMINUM BED HEAD DUCT
	NEW ALUMINUM BED HEAD DUCT
	ELECTRICAL DISTRIBUTION BOARD, TO SEPARATE DETAIL
	16A SINGLE SWITCHED SOCKET OUTLET 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	16A DOUBLE SWITCHED SOCKET OUTLET SLIMLINE & NORMAL 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	16A DEDICATED SINGLE SWITCHED SOCKET OUTLET 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	DOUBLE POLE ISOLATOR IN CEILING VOID UNLESS OTHERWISE INDICATED 100x100x50 SCB
	DATA OUTLET POINT WITH DRAW WIRE

REVISIONS:

No.	Date	By	Description
00	21-07-2025	LM	Issued for approval
01	23-07-2025	LM	Latest Arch drawing and comments
02	11-09-2025	LM	Issued for tender



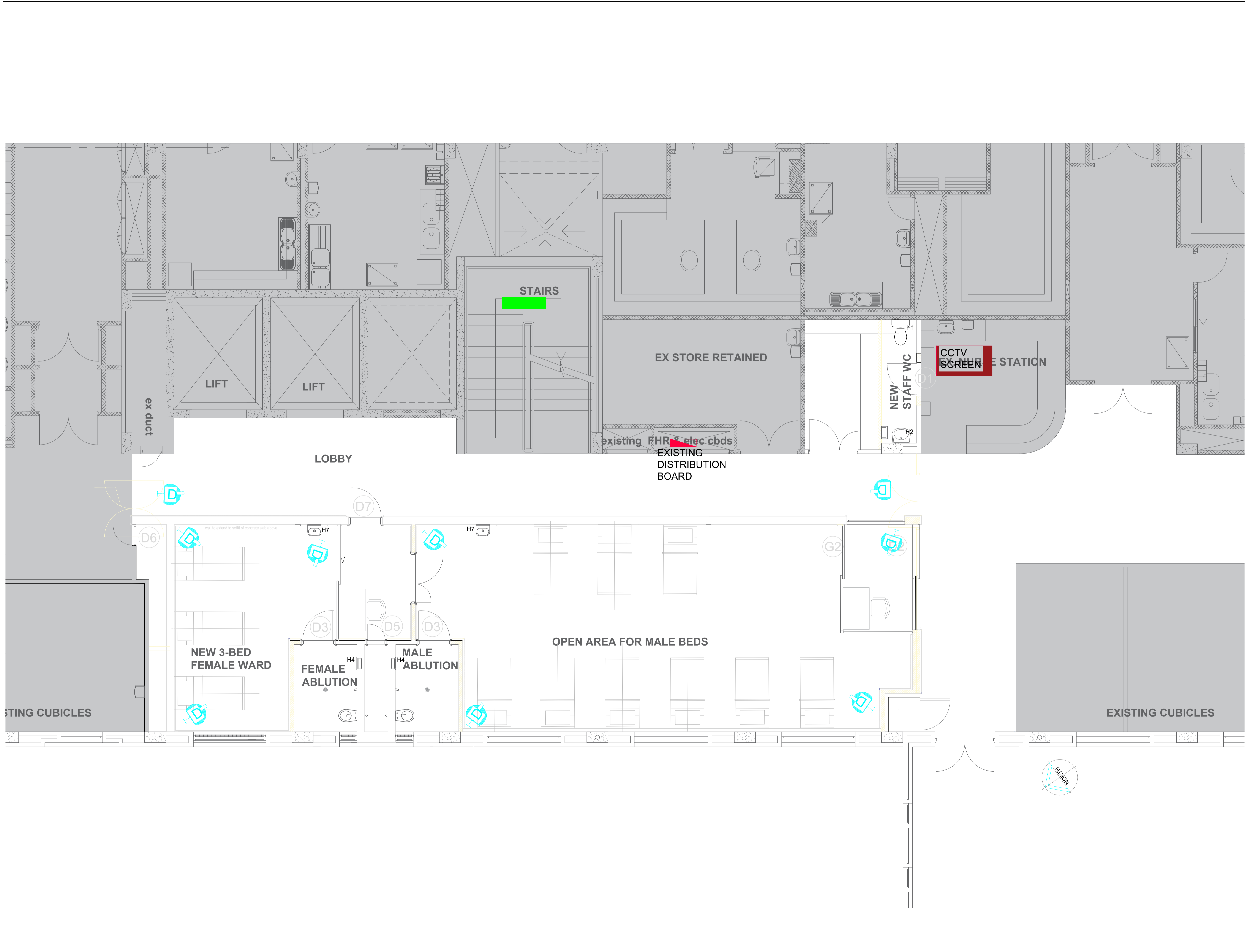
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DISCIPLINE: **ELECTRICAL**

DRAWING TITLE: **LIGHTING AND POWER LAYOUT**

DESIGNED: LM	DRAWN: SA	APPROVED: LM
SCALE: NS	COPYRIGHT RESERVED	DATE: 12/06/25
ARCH SHEET NO: 240028-PRF37-200		REV: 01
DRAWING NO: P2402-PRF37-E-001		REV: 02

PROJECT STATUS: **Tender**



LEGEND:

LIGHTING	
	VANDAL PROOF 742mm 55W LED 4000K WITH N LIGHT
	VANDAL PROOF 356mm 15W LED 4000K WITH N LIGHT
	NASA 1200mm 35W LED 4000K
	LED COVE 14 STRIP LIGHT 15W/m 4000K
	LUXON PANEL 600X600 36W 4000K CR190 OPAL
	SKY PENDANT 600mmØ 54W 4000K CR180 OPAL
	STARR 1 7W Lucent GU10 4000K
	17W LED Bulkhead 4000K
	30W LED Floodlight
	SUTTLE DOUBLE 2x17W GU10 4000K
	DOUBLE LEVER SWITCH
	16A LIGHT SWITCH
	MOTION SENSOR

POWER	
	2 TIER GALVANIZED POWER SKIRTING
	2 TIER GALVANIZED POWER SKIRTING
	ELECTRICAL DISTRIBUTION BOARD, TO SEPARATE DETAIL
	16A SINGLE SWITCHED SOCKET OUTLET 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	16A DOUBLE SWITCHED SOCKET OUTLET SLIMLINE & NORMAL 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	16A DEDICATED SINGLE SWITCHED SOCKET OUTLET 100x100x50 OR 100x50x50 SCB @300mm UNLESS OTHERWISE INDICATED
	DOUBLE POLE ISOLATOR IN CEILING VOID UNLESS OTHERWISE INDICATED 100x100x50 SCB
	DATA OUTLET POINT WITH DRAW WIRE

REVISIONS:

No.	Date	By	Description
00	21-07-2025	LM	Issued for approval
01	11-09-2025	LM	Issued for tender

Province of the
EASTERN CAPE
HEALTH

TRIIRON
INFRASTRUCTURE

PROJECT TITLE: **ECDOH PUM2 PRF37
INFRASTRUCTURE
IMPROVEMENT AT
LIVINGSTONE HOSPITAL
A&E HOLDING AREA**

DISCIPLINE:
ELECTRICAL

DRAWING TITLE:
CCTV LAYOUT

DESIGNED: LM	DRAWN: SA	APPROVED: LM
SCALE: NS	COPYRIGHT RESERVED	DATE: 12/06/25
ARCH SHEET NO: 240028-PRF37-200		REV: 01
DRAWING NO: P2402-PRF37-E-001		REV: 01

PROJECT STATUS:
Tender

VERSION: 1.0

ANNEXURE B – OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION AND BASELINE RISK ASSESSMENT

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PROJECT SPECIFIC OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

LIST OF ABBREVIATIONS

AIA	Approved Inspection Authority
BoQ	Bill of Quantities
CC	Compensation Commissioner
CHS	Construction Health and Safety
CHSA	Construction Health and Safety Agent
CHSO	Construction Health and Safety Officer
CR	Construction Regulations (Gazette 10113 of 07/02/2014)
ECDOH	Eastern Cape Department of Health
DMR	Driven Machinery Regulations
DoEL	Department of Labour
FEMA	Federated Employers Mutual Association
GAR	General Administration Regulations
GSR	General Safety Regulations
HCSR	Hazardous Chemical Substances Regulations
HIRA	Hazard Identification Risk Assessment
H&S	Health and Safety
ER	Engineer's Representative
LI	Labour Intensive
OH	Occupational Health
OHS	Occupational 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
SMME	Small, Micro, Medium Enterprise
SWP	Safe Work Procedure
PA	Principal Agent
PSP	Professional Service Provider
CP	Cerebral Palsy

DEFINITIONS

The definitions used will be those set out in the Regulation Gazette No 84 of 2014 7 February 2014 with the following additions:

Client: Eastern Cape Department of Health

Construction Health and Safety Agent:

A competent person appointed by the Client to carry out the duties of the Client in respect of Occupational Health and Safety on the Project in terms of Regulation 5 sub regs (5) and / or (6)

Designer: Means a competent person appointed by the Client as Agent to design, supervise and monitor construction on their behalf.

Hazard: Source of exposure to danger

Hazard Identification and Risk Assessment (HIRA) and Risk Control:

Means a documented plan, which identifies hazards, assesses the risks and details the control measures and safe working procedures which are to be used to mitigate and control the occurrence of hazards and risks during construction or operation phases.

Health and Safety Agent:

Means any person who acts as a representative for the Client in managing the overall health and safety work as their responsible person.

Health and Safety Plan:

Means a documented plan which answers to the Site-specific Health and Safety Specification; including all the supporting documentation that indicate how the Principal Contractor or Contractor plans to manage H&S for the duration of the Contract.

Induction Training:

Means once off introductory training on general health and safety issues given to all employees and visitors to the site before commencement of work on site.

Principal Agent:

Means a competent person appointed by the Client to design, supervise and monitor the construction on their behalf.

Risk:

Means the probability or likelihood that a hazard can result in injury or damage.

Regulation/s:

Shall mean the relevant regulation/s promulgated in terms of the Occupational Health and Safety Act, No. 85 of 1993.

Site:

Means the area in the possession of the Principal Contractor for the construction of the works. Where there is no demarcated boundary it will include all adjacent areas, which are reasonably required for the activities for the Principal Contractor and approved for such use by the Designer.

The Act:

Means, unless the context indicates otherwise, the Occupational Health and Safety Act, No. 85 of 1993 and Regulations promulgated thereunder, as amended.

Workplace

means any premises or place where a person performs work.

KEY REFERENCES

Occupational Health and Safety Act No. 85 of 1993 and Regulations (as amended)
Compensation for Injury and Occupational Diseases Act No. 100 of 1993 (as amended)
The GCC 3rd Edition 2015
Construction Specifications & Standards 6.0 for Southern Africa. Hans Wegelin 6th Edition 2010

SANS Code 10400

SANS10085

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

Risk Adjusted Strategy Regulation- issued by the Department of Cooperative Governance

Asbestos Regulations 2001 – as amended in 2003.

Asbestos Abatement Regulations of 2020

SCOPE OF WORK:

(See detailed scope in the main tender document)

1.1 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 viz. 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 Mandatary 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 Eastern Cape Department of Health 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.

1.2 Implementation of the Project Specific Occupational Health and Safety Specifications (PSHSS)

The project specific H&S specification (PSHSS) forms an integral part of the Contract, and PCs are required to make it an integral part of their Contracts with Contractors and Suppliers. A PSHSS will be available for each level of Contract and Contractor and must be complied with.

This specification must be read in conjunction with the OHSA, Regulations (as amended) and any other standards relating to work being done and ensure compliance thereto.

The information relative to the scope of the project, the works etc. are detailed in the tender, are to be considered when developing the H&S plan and associated documentation. The summary of risks is included in Section 2 of the PSHSS.

The OHS Act S.37.2 Mandatory Agreement must be fully completed by the PC, supplied by the Client. These documents shall be deemed to form part of the returnable Contract Documents.

No work may commence without written approval of the H&S plan by the Client/ Client Agent, or the responsible person in Eastern Cape Department of Health as well as the approval of the Construction Work Permit from the Department of Employment and Labour.

Should there be design changes, or change in the scope of works, an amended PSHSS may be issued. Where amended PSHSS are issued, the PC will be required to ensure a resubmission of an amended H&S plan for approval.

Further to this, the PC must ensure that similar information must be provided as it applies to the works to all their Contractors, within 5 working days following notification thereof. Such design changes.

The Client/ Client Agent will visit the project as deemed necessary by the Designer and the Client/ Client Agent to ensure compliance and limit risk. All activities on the site and all appropriate documentation will be monitored and reported on to the Client and the Designer.

Non-conformances will be issued, and penalties or work stoppage will be issued where appropriate. Communication between the Client/ Client Agent and the PC will be through the Designer (PA) (or Client's responsible person) as determined at the commencement of the project.

1.3 Requirements at Tender Stage

Tenderers are required to submit a project specific pre-tender H&S plan with their Tender submission.

The documentation submitted will be used to assess the competence of the tenderer, as required in the CRs, therefore the information submitted needs to be complete and as close as possible to the final product.

Adequate pricing for H&S is required, and the appropriate section in the BoQ is to be completed. Failure to do so could result in the Tender being regarded as non-responsive.

The PC shall ensure adequate information is submitted as supporting documentation with his completed Tender. Such information will be assessed against the criteria listed and a score provided to the Bid Award Committee (BAC) for consideration. Failure to provide such information could render the tender application non-responsive.

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

- A declaration to the effect that the Principal Contractor has the competence and necessary resources to carry out the work safely in compliance with the Occupational Health and Safety Act and its Regulations;
- A valid Letter of Good Standing.
- Detailed technical method statements for approval by the Designer and appropriate risk assessments and safe work procedures for approval by the Client or Client Agent for all high-risk items.

Further method statements are to be submitted prior to, and during the project where changes or new work is required, and the approval of the Designer/Client is required before work on that aspect or activity can commence.

The CHS Officer is to be included in production planning sessions/meetings to ensure that the appropriate risk assessments, safe work procedures and communication required are available and completed timeously.

2. GENERAL REQUIREMENTS

2.1 Summary of Risks identified during Design.

The intention of the summary of findings from the design baseline risk assessment is to highlight the residual risks identified during the design phase. The full design risk assessment can be found in the tender document.

The summary of risks provided is to point the contractor towards some risks he may not be aware of during tendering stage and while developing his formal risk assessments for the project.

The design risks and the management thereof should be included in the Principal Contractors (PC) risk assessments. Where there are other Contractors appointed to do work, the PC is to ensure that Contractors include such information in their risk assessments.

The summary is to be developed following the completion of the Baseline risk assessment, and to include the residual risks as they apply to the project. The items noted are for information only and must be expanded on as required by the project.

- Weather-Related;
- Equipment and Machinery;
- Chemical and Environmental;
- Traffic and Site Access;
- Subsurface Utility Conflicts;
- Wildlife and Insects;
- Material Handling and Lifting;
- Personal Protective Equipment (PPE);
- Communication Hazards;
- Inadequate Training;
- Client and Public Relations;
- Infection Prevention Control;
- Patient and Visitor Awareness;
- Emergency Response Coordination;
- Patient Privacy and Confidentiality;
- Noise and Disturbance;
- Campus -Specific Protocols;
- Emergency Medical Services (EMS) Access;
- Communication with Facility Staff;
- Biological Risks;
- Risk to the Environment including dust management;
- Unknown and existing services;
- Electrical Equipment;
- High Pressure Equipment;
- Working at Heights;
- Scaffolding

- Excavations
- Concrete Work
- Hazardous Chemical Substances
- Ergonomics
- Lifting Equipment
- Traffic Accommodation
- Demolishing
- Waste Management
- Exposure to Sewerage

3. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

3.1 Structure and Organization of H&S Responsibilities

3.1.1 Notification of Commencement of Construction Work

The Contractor must acquire a “Notification of construction work” from the Department of Employment and Labour.

Work may not commence without the “Notification to do Construction Work” form being completed by the contractor and acknowledgement received from the local Department of Employment and Labour. This includes, inter alia, the Contractor’s Health and safety Plan as accepted by the Client.

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.

3.1.2 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 current legislative requirements, SANS codes, SANS 10400 and any other standards that may guide practice are to be taken into consideration. The following aspects must be addressed in the H&S Plan, as they have been identified in section 2, as playing a role in reducing the overall risk of a particular activity, or section of the project. The Client/ Client 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.

3.2 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 and kept current with the project programme. The construction team is to ensure the appointed CHS Officer is kept up to date with all planned activities, to ensure all H&S requirements are met.

All construction/technical method statements are to be generated by senior site personnel, and the appropriate risk assessments developed therefrom in conjunction with the CHS Officer.

The Occupational Health and Safety Plan shall include the following, but is not limited to the following key appointments:

3.2.1 Construction Supervision

Competent Full-Time Construction Manager(s) (CR8.1) will be appointed to manage part or all of 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 Manager(s) (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.

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.

3.2.2 Construction Health and Safety Officer

The PC will employ at least one competent, full-time CHS Officer (CR8.5) for the duration of the contract. The CHS Officer's CV is to be submitted for approval by the Client/ Client Agent at time of tender. The PC is to ensure adequate resources are provided in order to undertake all responsibilities (i.e., mobile phone, computer and internet access, vehicle etc.) Qualifications shall include at least Grade 12, Diploma in H&S qualifications or similar, with exposure to civil engineering and building that is appropriate given the level of project complexity preferably in an OHS capacity. He should also have undergone training in the Act and Regulations. In the case of a contract where contractors are employed, the CHS Officer must have a competence to evaluate the Contractors Health and Safety plans.

Proof of registration as a Construction Health and Safety Officer with SACPCMP must be supplied.

This person may not hold any other position on the site staff.
The site supervisor may not act as the CHS Officer.

The CHS Officer/s will be held responsible for all H&S on the project.

- Senior site staff and supervision, Contractors are to follow systems, instructions etc. given by the CHS Officer at all times;
- No new workers or Contractors may commence work without approval or following the H&S plan as submitted, and
- No inductions of Contractor staff until the H&S documentation is approved by the CHS Officer.
- The CHS Officer/s may not be removed or replaced without the approval of the Client/ Client Agent, nor may the site be left unattended for more than 1 day without adequate, competent cover.

A monthly report of all H&S activities and incidents is required by the end of the first week of each month, or at a date agreed to by the Client/ Client Agent and the CHS Officer. An example of the monthly report is attached as an Annexure C.

The CHS Officer will be responsible for collating the H&S documentation at the close out of the project in electronic format. The PC is to ensure that all Contractors documentation follows the same requirements and closed out H&S documentation must be completed and be available with the close out of the main contract.

If the CHSO is replaced the principal contractor is required to submit the following documentation for approval by the Client or Client Agent.

1. Applicant CV
2. Applicant Competency
3. Valid SACPCMP Letter of Good standing

Failure to do so will be considered a serious offence and penalties /stoppage of site will apply.

3.3 Health and Safety Representatives and H&S meetings

H&S Representatives representing workers and Contractors are to be appointed following the startup of the project, irrespective of the number of workers on site.

The appointed H&S Representatives are to be actively involved with H&S and will assist the CHS Officer and site management in meeting legislative duties.

The CHS Officer shall further ensure that H&S is discussed at all internal production or progress meetings. Issues arising from the Client/ Client Agent audits are to be discussed, as well as all H&S related issues.

Minutes are to be kept for all H&S interventions and meetings.

Failure to do so will be deemed to be a moderate offence.

3.4 Appointment of Competent Contractors

The Principal Contractor is to ensure compliance with the Client's minimum standards and all legislative requirements. The same H&S standards required of the PC are to be applied to all Contractors. An index of all Contractors and Suppliers is to be on file and kept updated at all times. The PC is to ensure there is sufficient funding for H&S compliance by each Contractor.

The following minimum aspects are applicable to any Contractor appointed:

- The CHS Officer is to ensure a contractor's appointment and approval of H&S documentation at least seven (7) working days prior to commencing work.
- The contractor should take note of the required workload of the appointed CHSO in relation to the appointed SMME's.
- No Contractor may work under the PC's Compensation registration number. If required, the PC may assist SMMEs with their registration with the Compensation Commissioner. However, such Contractors will not be able to commence work until proof of registration or Letter of Good Standing has been received.
- No work may commence without Mandatary agreements between parties in place.

The following aspects are applicable to Suppliers or short-term works (surveying, repairs, servicing, deliveries etc). Cognisance is to be taken of the level of risk involved and the CHS Officer is to ensure the level of H&S documentation is appropriate:

- Signed Mandatary agreements in place.
- Valid Letter of Good Standing
- Method statements and risk assessments
- Available information relative to:
 - Load testing and registers for cranes or lifting devices.
 - Medical certificates of fitness
 - Safety data sheets (SDSs)

Failure to provide written approval of H&S documentation will be considered a serious offense, and could result in aspects of, or all the activities being stopped, and penalties implemented.

4. GENERAL RISK MANAGEMENT

4.1 Health Risks and Medical Surveillance

As some products use in the building work have not been identified, the PC is to ensure the CHS Officer and all supervision is responsible for ensuring the safe use of such products, and their inclusion into method statements and risk assessment. The appropriate SDSs are to be obtained for all products and used to develop the H&S documentation as they relate to the works.

Many of the processes may be labour intensive and ergonomic risks are to be noted. All workers (including Contractors) are to be included in the medical surveillance programme.

Workers will be exposed to biological risk, noise, dust, and physical risks from extended periods of work of a repetitive nature, materials specified and the general nature of the business.

Environmental monitoring results and risk assessments are to be made available to the occupational health professionals doing the medical surveillance. The use of occupational risk exposure profiling (OREPS) and job descriptions are to be used to determine specific exposures for management.

All workers are required to be in possession of a medical certificate of fitness issued by an Occupational Medical Practitioner prior to commencing work.

Medical surveillance will commence at pre-employment. All workers are required to be in possession of a medical certificate of fitness prior to commencing work. Annual medical surveillance is required (unless identified as being required more frequently), Arrangements for keeping medical records for the required time are to be noted. It is recommended that the PC has a medical surveillance plan. Full medical records are not to be placed in the H&S file. A procedure for managing the medical records which require safekeeping for prescribed

periods are to be addressed. It should be noted that the time period for keeping medical records where asbestos is present is a period of 40 years. Given the potential health risks the following aspects are to be included in each medical surveillance intervention:

- Full medical, surgical and occupational history;
- Full physical examination of all systems; and
- Referral if required for the management of identified health issues that may affect the worker.

Specific testing for existing conditions and limitations relative to exposure could include, but are not limited to:

- Audiometry (hearing tests); and
- Any other tests identified as relevant from chemical or specifically identified risks of exposure (lung function test).

No employee/ contract worker will be allowed on site without a valid medical certificate of fitness.

Many of the processes may be labour intensive and ergonomic risks are to be noted. All workers (including Contractors) are to be included in the medical surveillance programme.

Workers exposed to body fluids, sewage or human waste must have vaccinations up to date i.e.: Hepatitis A and Hepatitis B vaccinations.

Failure to do so will be considered a serious offence.

5.1.1 General Environmental Conditions

Compliance with the Environmental Regulations (as amended), among others is required. Environmental monitoring of ventilation, lighting and dusts may be deemed to be required by the Approved Inspection Authority used to measure the environment. Copies of the relevant reports and actions taken in respect of these are to be placed in the H&S file.

5.1.2 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. Temporary labour working in identified noise areas will require testing if the noise levels are indicated on plant or through processes as 85dB or greater. Audiometry records are to be available in the H&S file.

Suitable SANS approved hearing protective equipment shall be issued and worn by all employees exposed to noise. 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 Facility staff to ensure that noise and dust does not interfere with daily activities.

5.2 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 plan may be adapted should new information or risks are identified.

The contractor will take into consideration the existing emergency plan and procedures of the existing facility. It must be noted that the Facility will be fully operational during construction works.

The procedure shall detail the response plan in relation to the works, and include at least (but are not limited to) the following key elements:

- Appointment of a competent emergency response co-ordinator
 - Fire;
 - Public injury, Motor vehicle accidents;
 - Falls from heights;
 - Serious injury to workers (medical or work-related); and
 - Any other major risks identified during risk assessments.

Drills to be conducted bi-monthly for the below:

- Fire drill.
- Bomb threat.
- Fall from Heights Rescue procedures.

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.

5.2.1 First Aiders and First Aid Equipment

First aider shall be available and accessible on site at all times and be able to work when responding to any emergency on the project.

Contractors are expected to ensure compliance and provide/manage their own first aiders and equipment. The number of First aiders will be determined by the complexity and exposed risks of the project, not numbers of workers.

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

First aiders shall be available and accessible on site at all times and be able to work as a team when responding to any emergency on the project. The contractor is to ensure that the first aider forms part of the rescue planning emergency situations when working at heights.

5.2.2 Fires and Emergency Management

Attention to emergency planning and procedures is very important. The full emergency plan must form part of the supporting documentation with the H&S Plan. The Client/ Client Agents approval of all emergency plans and procedures is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow. The plan may be adapted should new information or risks are identified.

First aiders shall be available in each working team and be able to work as a team when responding to any emergency on the project.

The procedure shall detail the response plan in relation to the works, and include at least (but are not limited to) the following key elements:

Appointment of a competent emergency response co-ordinator and wardens;

- Lists of first aiders, and
- Requirement in terms of identified risks:
 - Fire;
 - Explosions;
 - Falls from heights, and
 - Motor vehicle accidents.
 - Biological risks: e.g., disease outbreaks

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 risk of fire on site and related to any specific activities where gas, welding, cutting etc. occur.

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.

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.

5.2.3 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 as per the requirements of COIDA to the Designer (PA), Client/ Client Agent immediately. This shall be confirmed in writing following the incident. Full details are to be included in each site meeting or when the Client visits site. A summary of incidents is to be included in the monthly report.

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 be monitored and contact with other workers. Such details are provided in the Compensation for Injuries and Diseases Act (COIDA).

5.3 Personal Protective Equipment (PPE) and Clothing

The PC is to provide a procedure as an addendum to indicate how PPE is managed within the Company.

The wearing of the identified SANS approved PPE. The PC shall ensure that all workers (Including Contractors) on site are issued with and shall wear:

- Hard hats;

- Protective footwear;
- Dust Masks
- Hand Gloves
- Overalls that have company logo/ identification and reflective strips to ensure worker visibility.
- Eye protection (if required)
- Hearing protection (when required)
- Reflective jackets (no bibs)
- Harnesses (working on heights)
- Respiratory protection (minimum of FFP2), and
- Any other necessary PPE identified from SDSs and/or risk assessments.

Adequate quantities of PPE shall be available. This shall include the necessary PPE for visitors. The procedures for managing PPE are to be in a formal procedure submitted with the H&S plan for approval.

Any person (including Client, Designers (PA) & PSP'S etc.) found on site without the necessary PPE will be removed from site until the PPE is supplied and worn.

Failure to comply will result in penalties being applied.

5.4 Occupational Health and Safety Signage

On-site H&S signage is required and 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.

It should be noted that the Facility will be fully operational during construction activities and the contractor to ensure sufficient separation.

Temporary signage is to include (but not be limited to) the following:

- Report to site office/ 'Warning: Construction Site – Keep out' or similar;
- Site office
- hard hat area or other PPE requirements noted;
- First aid box positions (including vehicles); and
- Fire extinguishers.
- Assembly Area

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.

Note should be taken that "omnibus" signs indicating that the entire site requires PPE should not be used. Any areas where PPE is mandatory must be separately signed.

The Principal Contractor must ensure that members of the public that need to access the facility will not be able to gain access to the construction area. It should be noted that the facility will be fully operational, and the construction area should be properly and securely barricaded at all times.

Failure to comply will result in penalties being applied.

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

A simple, formal induction programme is to be submitted as an addendum for approval with the H&S plan. Inductions must be carried out for all workers and visitors (including Client, Contractors and PSP's) to the site.

Pre-task training is required to ensure workers are familiar with the risks and H&S measures of the work or tasks to be done. Such training is to be done at least daily. Records of inductions and pre-task training are to be kept in the H&S file.

Any person found on site without proof of induction in the H&S File will be removed from site until the proof is supplied and, and a penalty issued per non-compliance.

5.6 Management of Plant and Equipment

Close control of plant and equipment is required, including that of Contractors. No Manmade and damaged equipment to be used on site, control of all equipment and plant is required. It should be noted that control measures should be implemented especially between the working areas and should at all times be separated from the existing facilities employees' persons and vehicles.

Daily monitoring of all plant and equipment is required prior to commencing work. Full lists of hired and own plant are to be available at the Client/ Client Agent's audit.

All daily inspection records are to be kept in the H&S file. Plant Hire and Haulage Contractors are to comply with the requirements where plant and equipment is brought onto site. Registers are not to be more than 1 week behind.

Only competent, fit plant operators are to be used and in possession of medical certificates of fitness.

Any plant or slings used to lift plant or material require annual load testing by an AIA, and all certificates must have the testers LMI/E number. Operators are to be adequately trained and certified to operate mobile cranes or crane trucks. Certificates and registers are to be placed in the H&S file.

Movement of plant in closures and in confined working areas is to be closely monitored and managed by the supervisors. The blind spots of plant are to be taken into account and workers and Contractors protected accordingly.

Failure to do so will be considered a serious offence.

5.7 Working at Heights

The appointment Fall protection planner to be approved prior to appointment. A fall protection and rescue plan are to be available and submitted with the H&S plan. The Fall protection plan to be submitted for approval prior to working at heights. The fall protection plan must be appropriate for the project or project specific. Method statements, appropriate risk assessments, safe work procedures and training are to be available prior to work commencing.

Construction drawings shall be required for all temporary structures as they relate to the project. The drawings shall be accompanied by full calculations, design loads and any relevant test results as required by the SANS code and ensure adequate allowance for the development of appropriate documentation and training. All drawings are to be checked and signed by a competent structural engineer (registered with ECSA).

The focus for working at height shall include fall restraint systems where possible except during assembling or dismantling top components or where it is not deemed safe.

The relevant SANS codes are to be applied as they apply to the works and the project, such as:

- SANS 10085
- SANS 10333 (parts 1-3)

Should part of the works be contracted out, competent Contractors are to be appointed and submit documentation according to the project requirements. The PC is to note if such work is to be contracted to specialists in the H&S Plan.

The plan is to be developed and work managed by a competent person for the duration of the project. The following aspects must be included:

- The public or users of buildings are to be protected at all times by way of hoarding, barricading or fencing;
- Notices to be posted;
- Restrictions or stoppage when weather conditions are deemed hazardous;
- Permit system for working at heights;
- Prevention of falling tools or equipment;
- Link to emergency plan regarding rescue.

All workers are to be in possession of valid certificates of fitness that extend for the duration of the works. Note the requirements in the section relating to medical surveillance.

Employees undertaking work at heights should have necessary competency for working at heights.

Registers and all relevant documentation are to be placed in the H&S file.

Work will be stopped, and penalties applied to any work at heights that is not compliant.

5.8 Auditing

Frequency of external auditing by the Client/ Client Agent 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 Client/ Client Agent, on all audits and inspections.

The PC will ensure that all their Contractors are audited at a frequency determined by the Client/ Client 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/Agent or Designer 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 is to be acceptable by the Client/ Client Agent.

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.

Failure to address findings or non-conformances will be considered a serious offence.

5.9 Communication on Site

All H&S communication during the project between the Client/ Client Agent and the PC will be done through the PA/Clerk of Works/Client and be in writing, including the issue and responses to non-conformances and H&S audit results.

Failure to address issues timeously will be considered a serious offence.

5.10 Care of Workers on Site: Access/Egress of Site / Welfare Facilities

Access

Contractor to ensure that Access control to be in place, hoardings erected to separate site from public. Extra hoarding to be in place to ensure the public and personnel are kept out of the construction site.

The facility will be fully operational, and the contractor must ensure no unauthorised entry by the public, patients as well as employees of the facility at any time.

Welfare Facilities

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, 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. A policy on how this will be done is required, that will cover both portable and permanent facilities. The following are considerations, that include, *inter alia*:

- Portable toilets to be provided at a 1:15 ratio but be sanitized daily as per Occupational Health and Safety Measures in Workplaces or more frequently.
- Where there are more than 15 employees on site, facilities should be provided for different sex e.g., female and male toilets to be provided.
- Cleaners to continually clean and have a formal cleaning regime.
- Hand washing facilities (soap and water, paper towel) to be available where possible, and if not, to provide hand sanitizer.
- Induction training to educate to ensure all users are hand washing correctly.
- Flush toilets preferably 1:15 unless increased cleaning regime present.
- Restrict the number of people using toilet facilities at any one time e.g., use a welfare attendant.
- Wash hands before and after using the facilities.
- Enhance the cleaning regimes for toilet facilities particularly door handles, locks and the toilet flush.
- Portable toilets should be avoided wherever possible, but where in use these should be cleaned and emptied more frequently.
- Provide suitable and sufficient rubbish bins for hand towels with regular removal and disposal that need to be managed as hazardous waste.

- Introduce staggered start and finish times to reduce congestion and contact at all times.
- Consider increasing the number or size of facilities available on site if possible.

5.11 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. Contractor to always follow facility safety rules (Refer to 5.20) not to interfere with facility activities.

No person is allowed to work or access site if under the influence of alcohol or other substances that could impact on their own or others safety. The PC is to have a drug and alcohol policy available to manage such instances.

These requirements are applicable to any employee of any organization providing services on site. Penalties may also be applied by the Client, OHS Agent or Engineer.

The contractor will ensure to adhere to the Campus rules and policies at all times.

5.12 Electrical Equipment

In addition to the requirements of the Electrical Machinery Regulations and the General Machinery Regulations any electrical distribution board used for construction work shall be fitted with suitable earth leakage protection.

Contractor to provide a Certificate of Compliance for all temporal distribution boards.

Leads must be properly and firmly connected. Plugs and sockets shall be in good and safe condition.

All electrical apparatus, other than electrical hand tools, shall have a physical "lock out" system which will prevent any operation other than that authorized by a supervisor. A "lock out" sign shall be displayed when the apparatus is not in use.

Method statements and safe work procedures will be required for all work involving electrical apparatus.

5.13 Asbestos Management

There was no asbestos or asbestos containing material identified at **Livingstone Hospital**, however should such material be found, the contractor must inform the client immediately and compliance to the Asbestos Abatement Regulations,2020 should be adhered to.

Any work on asbestos or asbestos containing material including safe removal, handling, transporting and disposing thereof must be done by a registered and approved asbestos contractor.

The approved asbestos contractor is required to submit a methodology for removal of asbestos containing materials (To be approved by Client / Client representative before work commences).

The H&S plan provided by the PC is to include as much information as possible relative to the requirements relating to asbestos.

The contractor will be required to develop an asbestos workplan for approval by the client / client representative as well as approval of all general information required of Contractors.

Contractor to ensure that the removal of any asbestos containing material must be documented, and proof kept thereof in the Health and Safety File.

All asbestos and asbestos containing material removed on site will be disposed of at an accredited disposal site and disposal certificates must be obtained and kept on file.

Failure to do so will be considered a serious offence.

5.14 Demolition

Care is to be taken during demolition of walls; a stability survey should be carried out by a competent person. All rubble to be disposed on a regular basis and at a controlled refuse site.

Demolition plan to be submitted by the Principal Contractor for approval before any demolition commences. The demolition work is to be done under the supervision of a competent person.

The Contractor must at all times take into account that the Facility will be fully operational during the emergency repairs. Extra care to be taken at all times.

Failure to do so will be considered a serious offence.

5.15 Barricading and Hoarding

It is the responsibility of the contractor to ensure to price correctly for barricading and hoarding as the construction site (each separate construction area) must be securely barricaded from the facility's activities to ensure that no public, facility employees or patients can gain any access to the construction areas. Contractor to ensure that the barricading/ hording is maintained at all times as the facility will be fully operational.

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

- Security: Increase the presence of security personnel in and around the construction site to monitor activities and respond promptly to any emergency
- Security Plan: Develop a comprehensive security plan to address potential risks during construction. This should include measures to safeguard patients, staff, and sensitive information.
- Temporary Barriers: Install temporary barriers to maintain a level of security during the transition. This might include temporary fencing or barricades to restrict unauthorized access.

- Access Control: Implement strict access controls to ensure that only authorized personnel have entry to the construction site. Use identification badges and limit access points.
- Communication: Keep communication channels open between construction teams, facility staff, and security
- Personnel. Regular updates can help address concerns and mitigate potential issues.
- Patient and Staff Safety: Prioritize the safety of patients and staff by ensuring clear signage, safe pathways, and minimizing disruption to critical facility areas.
- Emergency Response Plan: Develop an emergency response plan specific to the construction project, outlining procedures for evacuations, medical emergencies, or security breaches.
- Collaboration with Authorities: Coordinate with local law enforcement and emergency services to ensure they are aware of the construction activities and can respond swiftly if needed.
- Community Engagement: Inform the surrounding community about the construction plans and potential disruptions, emphasizing efforts to maintain safety and security.

5.16 Traffic Management

The contractor to develop a comprehensive traffic management plan that includes:

- A site-specific traffic flow diagram.
- Identification of high-risk traffic areas or zones.
- Strategies to minimize disruptions to normal facility operations.
- Measures to control vehicle and pedestrian movement around the work area.
- Clear signage and demarcation of safe areas.
- Procedures for managing temporary road closures or detours.
- Provision for emergency vehicle access.
- Plans for managing deliveries and contractor vehicles.

5.17 Temporary Works - Scaffolding, support work, formwork

Temporary works must be properly designed and signed off by a competent person. In these instances, a competent person is defined as a Professional Engineer or Professional Technologist (registered with ECSA) who has sufficient experience in the design of the type of temporary work in question to be able to assess the design. The appropriate competent persons are to be appointed to manage and monitor such works to the satisfaction of the Engineer and Client/ Client Agent. Records and registers are to be properly completed and kept in the H&S file. If temporary works are to be erected by a Contractor, this must be notified to the Designer/Client/ Client Agent. All necessary calculations and drawings of temporary works must be kept on site and available to the PA and CHSA.

All scaffolding / temporary works support work must have design drawings that includes load bearing and approved by competent person.

5.18 Biological Hazards

It should be noted that while performing construction work at **Livingstone Hospital** it is possible for construction workers to get into contact with biological risk. Coordination between contractor and Facility infection control shall be implemented to address any concerns relating to biological hazards. All workers entering the construction site must undergo training on the identification and handling of biological hazards prior to commencing work. Contractors shall apply appropriate health and safety measures including PPE and hygiene protocols as per the regulations for hazardous biological agents.

The baseline site HIRA should continue to acknowledge Viral Hazardous Biological diseases outbreak as a general Hazard. Should there be an outbreak the HBA Regulations will apply, and this may require additional controls like HIRA, method statements that address transmission prevention planning, PPE and signage.

5.19 Excavations

A procedure for managing excavations is to be provided as an addendum to the H&S plan describing how excavations are to be managed specifically excavations deeper than 1.5m.

Excavation method statements are to be approved by the Designer and associated risk assessments are required. Designs by competent persons are required where ground conditions are deemed to require shoring.

A competent person is to be appointed for managing all excavations. A permit system is to be available and used for all excavations. All equipment and ground conditions to be checked daily, and prior to work commencing.

Excavations should preferably not be open beyond what can be closed daily. Where excavations need to remain open, all excavations are to be properly protected. Adequate stakes with 1m high demarcation and berms/spoil are required to be a safe distance from the edge of the angle of repose.

Candy tape may not be used to demarcate excavations. Cognisance is required of the surrounding area and increased levels of protection are required where work is in communities, near offices and campus classrooms.

Work will be stopped, and penalties applied to any work in excavations that is not compliant.

5.20 Safety Rules with respect to work to Health Care Facilities

All persons on the premises shall obey the facilities' Health and Safety rules, procedures and practices.

All work shall be carried out within normal working hours except certain essential works which may need to be carried out after hours or over weekends.

Arrangements for such work to be agreed in advance between the Contractor and the facility.

Emergency / Firefighting equipment belonging to the premises is not to be interfered with.

Emergency Exits and Escape Routes, including Temporary Escapes Routes are not to be obstructed.

No persons shall carry out or initiate an unsafe / unhygienic act or operation whilst on the premises.

Workers are not to interfere with the duties of the campus, its staff, patients or visitors.

The Contractor shall maintain good housekeeping standards in the areas being worked on throughout the duration of the contract.

The health facility reserves the right to search any person entering or leaving the health facility premises.

All workers must wear proper identification labels at all times – The Contractor will be asked to remove persons without identification from the premises.

The Contractor will not be permitted to use any tools or equipment belonging to the health facility.

The Contractor is to ensure that noise is kept to a minimum so as not to unduly interfere with the functioning of the adjacent facilities.

The Contractor is to ensure that dust from the works is properly contained so as not to cause problems with the normal functioning of the facility activities.

6 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 PSHSS;
- The H&S Plan and the approval by Client;
- The Traffic Management and Approval by Client
- Appointment by Client;
- Mandatory agreement with Client;
- Notification of Construction Works from the Department of Employment and Labour
- A record of all working drawings, calculations and design where applicable.
- Detailed list of Contractors with contact details, appointments, Mandatories etc.,
- H&S specifications issued;
- Record of Competencies (CVs) and appointments;
- Training Records;
- Permits;
- Method statements;
- Risk assessments;
- Safe work procedures;

- Emergency and injury management;
- Safety data sheets
- Medical surveillance records;
- Registers; and
- Records of audits, minutes etc.
- Plant lists
- Temporary electrical installations
- Employee records (who is on site)

7 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 or PCs H&S Plan; neither the PC nor any other Contractor shall have a 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, approved 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	Any serious breach of legal requirements
	No certificates of fitness for workers as required	
	Working without approved method statements	

7.1 Failure to Comply with Provisions

Failure or refusal on the part of the PC or their Contractors to take the necessary steps to ensure the safety of workers and the general public in accordance with these specifications or as required by statutory authorities or ordered by the engineer, shall be sufficient cause for the engineer to apply penalties as follows:

- (i) A penalty as shown in the Table above shall be deducted for each and every occurrence of non-compliance with any of the requirements of the PSHSS.
- (ii) In addition, a time-related penalty of R500, 00 per hour over and above the fixed penalty may be deducted for non-compliance to rectify any non-conformance within the allowable time after a site instruction to this effect has been given by the Designer. The site instruction shall state the agreed time,

which shall be the time in hours for reinstatement of the defects. Should the Contractor fail to adhere to this instruction, the time-related penalty shall be applied from the time the instruction was given.

ANNEXURE A

CLOSE OUT REQUIREMENTS

The H&S files for the Principal Contractors and all Contractors require closure and handover to the Client at the completion of the project. The following list is an example of what should be included but is not exhaustive. The OHS Agent or the Client may require further information at the time of completion and the Principal Contractor is to ensure that all instructions are met. Documentation would include all records from the start of the project. Daily or monthly plant inspection records are not required unless they are related to an accident. All records to be in electronic format and submitted to the OHS agent for approval in adequately formatted lists and folders. Layout should be logical and in the same order as in the site files.

Health and Safety close out file requirements include:

- a) Client H&S Specification
- b) Principal Contractor's OHS Plan(s)
- c) Principal Contractors Policies
- d) Organograms
- e) Legal Appointments
- f) List of all employees employed on a permanent or contractual basis over the duration of the contract.
- g) Notification of Construction Work with the Department of Employment and Labour of commencement of work
- h) Letter of Good Standing
- i) Full files for all Contractors as well as their close out report
 - List of Contractors
 - All employees employed on a permanent or contractual basis over the duration of the contract.
 - Letters of Approval of Contractors
 - Mandatary Agreements
 - Letters of Good Standing
 - Appointments
- j) Incident Records
- k) Non- Conformance records
- l) Agent's Audits
- m) Method Statements
- n) Risk assessments
- o) Safe work procedures
- p) Medical surveillance certificates of fitness. Medical records are to be kept according to the OH&S Act as amended.
- q) All drawings for temporary structures (suspended beams/scaffolds etc.)
- r) All operating manuals for any systems that require on-going maintenance.
- s) Copies of test results, policies and procedures for environmental monitoring (silica, noise, dusts etc.)

Defect and Liability Period

The H&S files are to be kept 'live' for the defect and liability period by the Principal Contractor, including those of their Contractors. Any work required during the defect and

liability period will require an assessment of the H&S file by the Client/ Client Agent prior to any work commencing.
A copy drawing records for the as-built are to be placed on file by the Designers once complete.

**ANNEXURE B
NON-CONFORMANCES**

HEALTH AND SAFETY SITE INSPECTION NON-CONFORMANCE		
AGENT:		PROJECT:
Consultant:		Date and time:
Client		Area:
Contractor:		
ASPECTS NOTED:	COMMENTS:	COMPLETION REQUIRED BY (DATE):
	•	
	•	
	•	
	•	
	•	
PHOTOGRAPHIC EVIDENCE (if available):		
OTHER:		
The following penalties are to be applied:		
Signature of Designer		
Signature of CHS Officer/Site Agent		
Signature: of Client/ Client Agent		

ANNEXURE C

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: _____

BASELINE HAZARD IDENTIFICATION AND RISK ASSESSMENT

CLIENT / EMPLOYER	EASTERN CAPE DEPARTMENT OF HEALTH
PROJECT / CONSTRUCTION SITE & EXACT LOCATION OF THE WORKS	DISASTER RELATED CONSTRUCTION WORKS AT LIVINGSTONE HOSPITAL

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
SN	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags

SITE SPECIFIC RISK ASSESSMENT

1	Permit: Value.	Principal Contractor not submitting the required documentation timeously. Client information delays	Delayed submission of documentation to the Department of Employment and Labour resulting in project delays. Cost impact	4	4	16	Principal Contractor to begin with document preparation immediately after formal appointment and ensure completed notice to DOL in the SHE File.	2	2	4	N/A	Manage: CHSA applies
2	Gaining access to site. OHS 8.9.12.15.	Restricted access to site where employees will be placed in an area where they have to cross road traffic zone. (Parking and/or delivery areas) Work in an active health care facility with emergency vehicle needs, Confined work areas: restricted storage of materials,	Injuries and illness, Financial loss, loss of reputation, time, project	4	3	12	Proper layout of site by Construction Manager, taking into consideration all transport plant and material movements and storage on site. Construction Manager to check layout Drawing to compare with the requirements of the OHS Act and other relevant regulations. Strict control on decanting and phasing needs of the project.	2	3	6	8.1 & 8.5	Manage: Special focus on emergency needs
3	Site security and safeguarding	Lack or absence of access control. Lack of Covid 19 access control Inadequate security controls. Loss of client documents and processes Fire Lack of Covid monitoring at access point. Public Liabilities.	Theft and delays. Loss of contract, finance. Life. Covid 19 transmission	5	5	25	Security guards to be appointed to keep watch. No smoking in works areas, Police clearances, supervision, work scheduling. Symbolic safety signage. Covid warning for PC: Signage that states: DO NOT ENTER IF SYMPTOMATIC: TEST.	3	3	9	Principal Contractor	To be monitored and implemented on an ongoing basis
4	Storage of flammables GSR 4 & Cr25.	Unsafe storage of flammables. Mixing polymers, combustibles and flammables' Public liability. (Medical gasses, LPG and Fire defensive cylinders)	Risk of fire, explosions resulting to burns to the body or even multiple fatalities. Fire spreading to adjacent structures. Loss of material and loss of health care functionality. Serious damages to property. Loss of finance, reputation and project.	5	4	20	Flammable store to be well ventilated and fitted with a roof to protect from direct exposure to sunlight. Access control to stores. Signage and warnings HCS Supervisor / Controller to be designated in writing. Induction of workers and visitors. No smoking. Safe transit of goods.	5	1	5	Principal Contractor	Proceed with care.
5	Electrical Installations Temporary electrical installations CR 24 and ER, EMR	Incompetent and/or unregistered electricians. Incorrect/unsafe installations. Damaged cables. Exposed wires. Failure to ensure lock out and dead conditions on major electrical servers: Generator, UPS and E. Supply, Lack of lock out. Underground and overhead services. Lack of COC's. Lack of health facility functionality. Not following latest drawings	Electrocution, fires. Serious damages to property. Serious injuries, possible fatalities. Loss of finance, reputation, project.	4	3	12	Installation to be done by a competent registered electrician or registered electrical contractor. Electrical Installations Inspector to be designated in writing and registered with DOL. PC to ensure dead conditions prior to work activity and demolition. Lock out procedures as required. COCs and lock out where required. Phasing program to be followed strictly. follow latest drawings.	4	1	4	Principal Contractor	Proceed with care. Additional control is advised. Temporary Electrical Installations Inspector to monitor and control.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
SN	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
6	Availability of basic facilities and emergency services / equipment. CR. 29, 30.	Not having the essential services readily available. Not having a plan. Not co-ordinating plan with health care facility, not communicating plan, not doing exercises. Not taking care when unknown services may be present.	Worsening of first aid injuries. Detrimental health to employees. Spread of fires, disease and increased incident risk. Loss of finance, reputation, project	4	3	12	Plan, Provide and implement. Practice. Ensure that exercises are done to check that a plan is relevant and review emergency risk daily in DSTI's. ensure emergency plan is coordinated with health care facilities emergency escape plans and that it is included in the induction. Ensure alarm is audible.	3	2	6	Principal Contractor	Proceed with care.
7	Public safety OHS 8.	Transmission of Covid Lack of safety hoarding and works controls. Lack of managing deliveries. Lack of access control. Lack of sticking to decanting and phasing plans. Lack of responsible.	Injuries to persons and / or the public. Public liability / court claims. Transmission of Virus, death. Loss of time, reputation and monies.	4	4	16	Induction of workers and visitors. Symbolic safety signs and notices. Work scheduling and traffic routes planned and controlled. Covid 19 controls. Identity of company employees work for on overalls. Worker controls.	3	3	9	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times.
8	Designation of laydown areas	Site is spread out, with inadequate space various materials will be stacked on top of each other causing unstable stacks. Lack of cleaning of material and equipment, poor maintenance and control of areas; Lack of planning for delivery truck space and access. condition of internal roads. Impact on health care facility functionality	Unstable stacks of materials may fall onto persons resulting in serious injuries / even fatality. Lack of finance, resources, reputation and project.	5	3	15	Site camp to be clearly demarcated considering project requirements. Laydown areas to be sufficient in size and controlled. Timber poles and/or other suitable base material to be available to stack materials on. Laydown areas to be of firm level ground. Laisse with Client and plan. Do not allow demolition rubble, deliveries to crowd access or build up, resulting on health care facility functionality breakdown. Be careful of health care clientele, age and needs.	5	2	10	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times. Be-aware of dynamic risk impacts and unforeseeable conditions.
9	Condition of ablution facilities.	Illegal facilities: pit latrines. Unclean and unhygienic ablution facilities. Non-ventilated ablution facilities. Mosquitos and odour customer complaints.	Possible health problems due to propagation of germs. Hep A & C_ illness. Loss of time, money, reputation, project.	3	4	12	Toilets are to be well ventilated and kept clean and hygienic at all times. Water for washing of hands to be readily available. PC to discuss porta loo from registered supplier or building ablations and connecting into structural sewer as arranged with PA, secure privacy of facilities.	1	2	2	Principal Contractor	
10	Poor waste management	Poor waste management on site. Poor housekeeping, Demolition waste build up	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	3	4	12	Good housekeeping and waste disposal always in work areas and laydown areas. PC will have to ensure that demolition rubble is correctly timorously disposed off.+ New build materials to be placed in work areas in a safe manner.	2	1	2	Principal Contractor	Require a waste disposal Method statement.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
SN	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
6	Availability of basic facilities and emergency services / equipment. CR. 29, 30.	Not having the essential services readily available. Not having a plan. Not co-ordinating plan with health care facility, not communicating plan, not doing exercises. Not taking care when unknown services may be present.	Worsening of first aid injuries. Detrimental health to employees. Spread of fires, disease and increased incident risk. Loss of finance, reputation, project	4	3	12	Plan, Provide and implement. Practice. Ensure that exercises are done to check that a plan is relevant and review emergency risk daily in DSTI's. ensure emergency plan is coordinated with health care facilities emergency escape plans and that it is included in the induction. Ensure alarm is audible.	3	2	6	Principal Contractor	Proceed with care.

7	Public safety OHS 8.	Transmission of Covid of safety hoarding and works controls. Lack of managing deliveries. Lack of access control. Lack of sticking to decanting and phasing plans. Lack of responsible.	Injuries to persons and / or the public. Public liability / court claims. Transmission of Virus, death. Loss of time, reputation and monies.	4	4	16	Induction of workers and visitors. Symbolic safety signs and notices. Work scheduling and traffic routes planned and controlled. Covid 19 controls. Identity of company employees work for on overalls. Worker controls.	3	3	9	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times.
8	Designation of laydown areas	Site is spread out, with inadequate space various materials will be stacked on top of each other causing unstable stacks. Lack of cleaning of material and equipment, poor maintenance and control of areas; Lack of planning for delivery truck space and access. condition of internal roads. Impact on health care facility functionality	Unstable stacks of materials may fall onto persons resulting in serious injuries / even fatality. Lack of finance, resources, reputation and project.	5	3	15	Site camp to be clearly demarcated considering project requirements. Laydown areas to be sufficient in size and controlled. Timber poles and/or other suitable base material to be available to stack materials on. Laydown areas to be of firm level ground. Laisse with Client and plan. Do not allow demolition rubble, deliveries to crowd access or build up, resulting on health care facility functionality breakdown. Be careful of health care clientele, age and needs.	5	2	10	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times. Be-aware of dynamic risk impacts and unforeseeable conditions.
9	Condition of ablution facilities.	Illegal facilities: pit latrines. Unclean and unhygienic ablution facilities. Non-ventilated ablution facilities. Mosquitos and odour customer complaints.	Possible health problems due to propagation of germs. Hep A & C_ illness. Loss of time, money, reputation, project.	3	4	12	Toilets are to be well ventilated and kept clean and hygienic at all times. Water for washing of hands to be readily available. PC to discuss porta loo from registered supplier or building abluions and connecting into structural sewer as arranged with PA, secure privacy of facilities.	1	2	2	Principal Contractor	
10	Poor waste management	Poor waste management on site. Poor housekeeping, Demolition waste build up	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	3	4	12	Good housekeeping and waste disposal always in work areas and laydown areas. PC will have to ensure that demolition rubble is correctly timorously disposed off.+ New build materials to be placed in work areas in a safe manner.	2	1	2	Principal Contractor	Require a waste disposal Method statement.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
11	Selection of workers / staff for site. Statutory compliance relating to PC business and employment practices.	Employees medically unfit and incorrectly placed for job categories. Vulnerable employees. Fear of reporting illness and incidents. Lack of Community input, unrest	Accidents resulting in injuries and/or damage to property. Loss of finance, time, reputation, project.	3	5	15	All employees to have medicals done before commencing work on site, or soonest after appointment. Annexure 3 to be FIT FOR WORK, as per task. PC to prepare form for service providers. To be addressed in OHS plan. Employment of local labour to be done in accordance to issued specification relating to the matter. Ensure communication without victimization.	3	3	9	Principal Contractor	Clarity on medical monitoring be given in the SHE Plan.
	Incompetent staff appointed on project. Not registered with relevant Council.	Accidents due to incompetency resulting in serious injuries and/or damage to property. Possible fatality. Loss of finance, time, reputation, project.	Accidents due to incompetency resulting in serious injuries and/or damage to property. Possible fatality. Loss of finance, time, reputation, project.	5	4	20	Skilled staff to have proof of competencies available. Appointed contractor to ensure all qualifications of staff are verified before appointment for project. Appointed personal to be on site for project duration.	5	3	15	Principal Contractor	No OHS Plan approval without proof of appointed persons competency, registration and scope organogram appointments.
	Lack of adequate staffing for work Lack of Statutory compliance; COIDA, UIF and employee contracts. Lack of agreements on POPIA. SARS not paid .	Accidents resulting in injuries and/or damage to property, Legal liabilities under DoEL. Loss of finance, reputation, time, project.	Accidents resulting in injuries and/or damage to property, Legal liabilities under DoEL. Loss of finance, reputation, time, project.	5	3	15	All staff to be inducted for site before work commences. Contractor to ensure induction is project specific. Every one coming into the site for the first time must be inducted (Visitors). Staff to have COIDA, Contracts and UIF. Ensure training needs analysis is done and improve relevant competencies. POPIA.	3	1	3	Principal Contractor	POPIA to be addressed in SHE Plan..

12	Contract Control: Phasing of works and control on site creep.	Not doing a works program, not including phasing and decanting into project program, delays in ordering materials, failure to resource works adequately, failure to do cost control: Project program aligned with time and expenditure, Unknown hazards not identified for early planning	loss of project, time, costs and reputation.	5	5	25	Adhere to contract. Plan and program. Update noting time and expenditure within program requirements. Do not allow site creep. Plan for phasing and decanting. Plan to get information immediately. Build what is on specifications and drawings and when in doubt check with relevant PSP. Do not wait until meetings for clarity. respect time lines.	3	3		Principal contractor	Stick to contract.
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*RPN - Risk Prioritization Number

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating							
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.			3b.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures			Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
WORK SPECIFIC RISK ASSESSMENT														
1	Use of hand tools	Sub-standard and unsafe hand tools; Incorrect use. Lack of hygiene	Injury to parts of the body. Spread of disease	2	5	10	PPE, checks/inspection registers, control, training.			2	2	4	Principal Contractor	Monitor.
2	Use of portable power tools	Sub-standard electrical power tools and incorrect use thereof. Lack of hygiene. Tripping client operations. Noise and vibration	Spread of disease. Injury and loss	3	5	15	Control, checks, issue and inspection registers to be completed, Training, emergency action / plan. COC's for compliance. Purchase low noise equipment, and provide additional hoarding, sound suppression systems. Plan works not to impact on patients rest times.			3	3	9	Principal Contractor	Monitor.
3	Loading and Off-loading	Unsafe offloading of material and unsafe material stacks; Heavy objects and manual handling; Shortage of persons for task; Vehicle accidents, blocking emergency routs	Injury and loss of finance, reputation and contract.	3	4	12	Adequate number of workers for the task at hand; Proper training and induction on manual handling techniques; PPE and adequate supervision; Use designated area for offloading, stacking and storage of material. Keep escape routes clear.			3	3	9	Principal Contractor	Site layout plans should be used. Check delivery impacts.
4	Stacking and storage	Improper stacking and storage.	Serious injuries and/or fatalities. Loss of material and equipment, loss of finance, time, reputation.	3	4	12	Good housekeeping; Competent Stacking & Storage Supervisor; Demarcated material laydown areas; Stacking and storage inspections;			3	3	9	Principal Contractor	Monitor.
5	Lifting operations	Unsafe use of lifting equipment and Lifting plant (Cranes) Lifting Equipment / Tackle not load tested; Incompetent Operators; Minor lifting gear not checked.	Falling of suspended loads due to equipment failure causing serious injuries / fatalities, property damage, production loss.	5	4	20	Load testing and inspections, Inspection registers & load test certificates: Control by equipment identification, replace defective equipment; Accredited training per category/unit standards of Lifting machines. Ensure safe works platforms, enough hands on deck for movement of goods where work at heights may involve loads; autoclave and fire reticulation equipment work to be covered in a method statement.			5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
6	Working in Elevated Areas / Heights CR. 10 and 16 GSR6. SANS 10085. All work is single story level. Ladder work and safe works platforms will be constructed	Unsafe / incorrect use of ladders / scaffolding; Poor erection of scaffolding; Non-Use of Recommended FAS; Lack of Edge Protection;	Falling from height resulting in serious injuries or fatality; Scaffolding collapse leading to multiple serious injuries or fatalities, damage to property and production loss.	5	4	20	Comprehensive fall protection plan developed by a competent fall protection plan developer must speak to scope of works; Competent scaffold erectors and inspectors; Proper erection and inspection of all scaffolding; Work at heights training and competency; Adequate supervision; No work over others. ensure level ground and use of scaffold boards			5	3	15	Principal Contractor	High priority remedial action.

		Falling objects. Ill employee. Weather: lightning, high winds and rain. Poor housekeeping. Poor control of loads. Dilapidated wood trusses and roof sheeting.	Objects falling on workers below, resulting in serious head injuries and Equipment/tools damage. Falls and slips, fall through.	5	4	20	Installation of nets and toe boards; Worker training and induction; Regular tool box talks; Identification of "no go areas" and putting up warning signage; Provision of hard hats and other PPE; DSTI's and control off loads	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
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Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a	1b	1c	1d	2a	2b	2c	3a	3b	3c	3d	3e	3f
SN	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
7	Excavation Work Cr 13 GSR 7. Minor excavations by hand anticipated for the project: some trenching, storm water work. Underground services are known for Electrical, but not sewer and water: act with extreme caution.	Use of heavy equipment on site to excavate; Incompetent operators; Poor visibility; Underground or overhead services	Collisions with other machines or workers resulting in serious injuries or fatality and property damage; Heavy machinery falling into excavations;	4	4	16	Appoint competent Excavations Supervisor; Fit and competent operators to be appointed for the job; Workers to wear high visibility clothing at all times; Worker training and induction; Regular safety talks; Workers to stay clear of heavy machinery; Dust control measures to be in place;	4	3	12	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
		Working beneath structures	Injuries due to unsafe use of picks and shovels; Collapse of excavations while there are workers inside leading serious injuries.	4	3	12	Workers keep a safe distance from each other when using picks and shovels; Induction and clear work instruction; Inspection of excavations at appropriate intervals; Adequate supervision;	4	2	8	Principal Contractor	Remedial action is required
		Open trenches / unprotected excavations. Soil conditions and depth and size of excavation location.	Physical injury due to falling into excavations	4	4	16	Open trenches and excavations must be kept to a minimum where possible; Monitoring and barricading of excavations with suitable protective material; Proper instruction and warning signage; Ensure care with services and plan accordingly.	3	3	9	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
8	Unknown hazards may be present during works.	People & vehicle / plant movement in close proximity to excavations. Serves is a serious hazard	Serious injuries or fatality; Asset Damage; Production Loss;	5	4	20	All excavations deeper than 1.5m shall be adequately shored and braced if not sloped; All excavation areas to be barricaded until backfill is complete; Daily Excavation inspections to be conducted before work commences by the appointed inspector (CR13(1)(a)); Checklists to be handed to safety officer for filing; Warning & prohibition signage to be installed at access to excavation. Restrict access to excavation area only to authorized persons & plant .	3	3	9	Principal Contractor	Unknown hazards may be present during works.
9	Existing Services	Not being aware of existing services (i.e. Electrical and data cables; water and sewer lines)	Damage to existing services; Power cuts, flooding and sewer spillages; Coming into contact with live electrical services may result into electrocution causing serious injuries or even fatality;	5	4	20	As-built drawings and drawings for existing services; Induction of workers and proper work instruction; Wearing of non-conductive gloves when exposing services by hand; Competent operators; Adequate supervision;	5	3	15	Principal Contractor	Working fully aware of risk.
	Operating of Heavy Construction Vehicles and Mobile Plant on site: TLB may be used for demolition of stores, leveling and so on.	Failure to inspect vehicles and mobile plant; Faulty vehicles and plant; Lack of access and route planning	Equipment failure resulting in serious injuries or fatalities, asset damage and production Loss	5	4	20	Daily pre-use inspections by drivers and operators; Maintenance plans / schedules and implementation; Induction of workers and visitors; Plant to be equipped with warning devices (construction light, reverse hooter, flag, etc.)	4	2	8	Principal Contractor	Monitor.

10	Incompetent and unfit operators; Not planned deliveries, no traffic controls	Vehicle and plant collisions resulting in serious damage to property and loss of production; Workers / visitors being bumped or run over by vehicles and plant resulting in serious injuries or even fatality;	5	3	15	Operator to be inducted & appointed in writing; Proof of medical fitness to be available; Proof of competency and licensing to be made available prior; High visibility clothing and alertness to the immediate surroundings; Site access is restricted with Nessie Knight needs. PLANNING.	2	3	6	Principal Contractor	Monitor.
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Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
SN	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
11	Temporary Works CR. 12	Poor or no temporary works designs; Incompetent Erectors and / or Inspector; Poorly erected temporary works; incorrect supports. Removal of supports to quickly	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	5	5	25	Competent appointed person/s to design, supervise, inspect and approve temporary works must be appointed; Temporary works designs to be made available; Training of temporary works erectors; Regular safety talks and adequate supervision; Inspection of temporary works as prescribed;	3	3	9	Principal Contractor	Monitor.
12	Demolition CR. 14	Lack of hoarding and access control. Noise, vibration and dust. Lack of competency. Lack of preventing collapse of structures. Flooding. Asbestos or lead, Aspergillus, molds and funguses, bird droppings, people movement underneath works, structural collapse. Unknown hazards	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	5	5	25	Appoint competent planner and controller. Inspect. Minimize risks. Manage waste timorously. Ensure structural integrity, also of adjacent structures. Isolation of services Have relevant approved demolition plan and sequence. Detailed structural engineers survey of structure. Inspections during demolition works which includes support structures and hoarding. Plan to minimize noise, vibration and dust. Employees informed, ventilation planned for, correct PPE, controlled access and egress. emergency readiness. Plan for AR and LR to be applied.	5	2	10	8.1 of PC	Structural areas must have Demolition plans and drawings.
13	Steel Fixing	lack of proper hazardous waste management on site; Incorrect disposal of hazardous waste products; Lack of proper hazardous waste bins;	Tripping / falling over obstacles on ground resulting in injury to workers;	3	5	15	Daily removal of offcuts/ left over steel: daily tidying of stacked/ stored material; Create level pathway to job;	3	3	9	Principal Contractor	Monitor.
		Placing / fixing steel at heights over 1.5m above ground: decks;	Loose deck plates allowing workmen to fall through, fall from height resulting in serious injuries or even fatality; Plan for 1.5 m distancing during works	5	4	20	Provision of working platform with access ladders and handrails, as a well as fall arrest equipment where scaffold is not possible; Supervisor to ensure deck panels are inspected before commencing work;	3	3	9	Principal Contractor	High priority remedial action.
14	Concrete Work - Delivery of concrete by supplier (Ready Mixed)	Ready-mix trucks may collide with other vehicles on site; access for plant delivery.	loss of life. Loss of material, time, finance, reputation. Public liability risks.	4	4	16	Ready mix to indicate prior to entering the site and be guided/directed to the off-loading zone, ensure min speed limit clear access route of other site vehicles as well as workers;	4	3	12	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
	Concrete Work - Delivery of concrete by chute to job	Manual handling of chute; Uneven terrain / obstacles on ground may cause slips/ trips/ falls; Restraint on access	Injuries to workers: hands, body, head etc. Damage to structures.	4	4	16	Training in correct handling methods / provision of gloves; Ground to be free of obstacles; Supervisor to ensure correct / specified Gloves are worn (PVC);	4	3	12	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
	Concrete Work (Cont.) - Delivery of concrete at height over 1.5m	Fall from height;	Serious injuries or fatality;	5	4	20	Provision of working platforms with access ladders and handrails; Supervisor to monitor and take control;	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.

	Concrete Work - General (Placing concrete from bucket hoisted by crane)	Concrete bucket hitting the worker; Opening and closing of bucket; Environmental damage	Injury to workers, time lost, and possible fatal incidents. Environmental pollution.	5	4	20	Only the Banksman / Spotter responsible for directing the crane during loading and discharging, workers to be advised to stand clear of the path of the bucket; Supervisor to ensure clear visual communication at all times; Ensure bucket is properly closed after each placing, use correct PPE issued on the "PPE Schedule"	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
	Minor batching	No board, wrong mixers, organic contamination, water waste, sludge run off, no use of PPE	dermatitis, minor injuries, eye loss, loss of finance, time, material, reputation and project.	4	4	20	Plam batching area, use engineer's specifications and mix design, build water run off buffer, mix on mixing platform to avoid organic matter contamination. Do quality control, Provide training and PPE. Ergonomic hazards to be addressed.	3	3	9	Principal Contractor	Monitor.
	Concrete Work - General (Vibrating concrete)	Concrete splash from vibrating, operating the poker; Noise	Injury to workers, possible serious injuries; Health impacts: Noise, vibration and dermatitis	4	5	20	Use correct PPE issued on the "PPE Schedule"; Operator self-check for PPE; Supervisor to ensure and control;	4	3	12	Principal Contractor	Monitor
Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3b.	3c.	3d.	3e.	3f.
SN	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
15	Brick Work: Replacement of broken or crumbling bricks, new building	Mixing of mortar - Faulty hand tools;	Injury to workers	3	5	15	Use of correct PPE, tools in good condition; Supervisor to monitor; Regular tool box talks;	3	3	9	Principal Contractor	Monitor.
		Stacking or Placing bricks at work - Bricks falling over, brick could cut skin	Injury to parts of the body. Ergonomic hazards	3	5	15	Proper and safe stacking of bricks; Use of correct PPE; Regular toolbox talks Adequate supervision;	3	3	9	Principal Contractor	Monitor.
		Supplying mortar to bricklayer: Brickwork's to walls - faulty hand tool, poor standard of scaffolding or trestles	Injury to parts of the body	3	5	15	Use of correct PPE; Good standard of scaffolding/ trestles, tools in good condition;	3	3	9	Principal Contractor	Monitor.
		Placing window, door frames, and lintels - Falling frames and lintels;	Injury to workers, possible serious injuries;	4	4	16	Checks to be done to confirm that windows and door frames are well stayed; Use of correct PPE; Supervisor to monitor and control;	4	3	12	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
17	Mechanical	Failure to plan and resource competent service providers; lack of lock out facilitation, Loads and specialized equipment needs, failure to follow specs and drawings, failure to teach stakeholders on equipment and provide required manuals. Failure to identify services: Current and colour coding new services to SANS standards.	Loss of life and injuries. Loss of material, time, finance, reputation. Public liability risks.	5	4	20	Appoint competent PC. Follow specifications and latest drawings. If in doubt: refer to Project management before commencing works. Follow decanting plan. Use drip trays, fire hydrant, lock out according to task HIRA and DSTI. Update manuals and plan for training during works and before site hand over to end-users.	3	3	9	Principal contractor	Monitor.
16	Fire Reticulation	Ungainly equipment, work at heights, not following specifications and drawings. Failure to secure. Failure to ensure testing and switch other. Failure to secure water supply. Failure to train and provide end user with manuals and maintenance knowledge.	Loss of life and injuries. Loss of material, time, finance, reputation. Public liability risks.	5	5	25	Appoint competent PC. Follow specifications and latest drawings. If in doubt: refer to Project management before commencing works. Follow decanting plan. Use drip trays, fire hydrant, lock out according to task HIRA and DSTI. Update manuals and plan for training during works and before site hand over to end-users. ensure ungainly materials and task demands are addressed in a method statement.	4	3	12	Principal Contractor	Monitor and ensure planning

19	Emergency planning and response CR. Requires emergency planning for high risk work.	Fire, collapse of structures, delay in patient care, theft, fatalities, Covid outbreak. Health care facility emergencies. Outages. Public complaints and unrest. Loss of public property records, health care service interruptions	Loss of life. Loss of material, time, finance, reputation. Public liability risks.	5	5	25	Plan for when things go wrong: Appoint emergency coordinator, display route plan to assembly areas. Ensure access to these areas. Have emergency and relevant role players contact numbers. Build relationships with Police and relevant service providers. Plan for project continuity. Plan to prevent incidence. Have Incident procedures.	5	3	15	Principle Contractor.	Fire prevention method statement.
20	Contractor Management	Unapproved contractors on site. No COIDA. Lack of competent oversight by PC.	Legal non-compliance; Risk to Client and project; Stoppages due to non-compliance; Loss of finance, time, reputation	5	4	20	Appoint a competent PC and sub-contractors. Ensure phasing plans are carried out to PM criteria. Do a clear works program and update. Involve 8.5 at Section 8 meetings.	5	3	15	Principal Contractor	Monitor and ensure planning
21	POPIA	Not getting and giving information on personal data management	Legal non-compliance; Risk to Client and project; Stoppages due to non-compliance;	5	5	25	POPIA Policy Statement, Record keeping and employee signatures obtained prior to medical testing. Make this part of the contract.	3	2	6	Principal Contractor	Implement controls

*RPN - Risk Prioritization Number

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating					
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SN	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Severity	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
HBA level 3 GENERIC RISK ASSESSMENT.												
1	Preparation for works commencement on site	Access control not done, employees not aware and informed	Failure to comply with legal requirements resulting in work stoppage, increased infection rates, and possibly legal action against the PC.	5	3	15	Access signage: Do not enter if symptomatic. Update Covid policy and protocols, Educate and inform.	5	1	5	Principal Contractor	Stay updated.
2	Site Preparation	Failure to plan and resource; asymptomatic person not wearing a mask when knowingly +. Symptomatic person not isolating and testing.	Public liability, legal risk. Spread of disease	4	3	12	Update plan to current legislative requirements, inform, Signage to warn, Encourage awareness and knowledge, provide PPE, hygiene and sanitation goods.	3	3	9	Principal Contractor	Monitor
3	Induction/Training	Failure to induct workers and lack of training; Lack of correct and updated information/ awareness. Lack of Induction warnings of hazards in access to site.	Workers not adhering to prescribed controls due to lack of awareness resulting in increased exposure.	5	4	20	Copies of all the updated and relevant regulations and guidelines to be readily available on site and communicated to workers; Information / Awareness posters to be conspicuously displayed at strategic positions on site; Toolbox talks / DSTIs addressing COVID 19 related risks. Induction must address needs; access and traffic risks.	3	3	9	Principal Contractor	Monitor and implement.
4	Demographics of labour	Vulnerability due to age, underlying auto-immune or chronic disease/s. Transporting incorrectly	Health complications of vulnerable groups once infected with the virus; Possible death. Loss of reputation, time, finance, project	5	4	20	List of vulnerable employees to be maintained; Induction, DSTIs and toolbox talks to be done daily on topics relating to Covid-19, personal hygiene and PPE. Strict enforcement for use of PPE; FIT FOR WORK CERTIFICATES Staff in exposed age groups and compromised health conditions to be considered high risk and managed appropriately. Also address HIV, TB, Heb A,B,C	4	3	12	Principal Contractor	Stay informed
5	Origin of labour	Use of public transport to get to work and to move between towns and cities, districts, municipalities and rural villages; Workers who may have come into close contact with suspected COVID-19	Non-use of cloth or respiratory masks / face shields by public transport commuters; Employees / workers could be possibly exposed and get infected resulting in spreading of the virus during movement.	3	4	12	Advise folk traveling on public transport on hygiene, ventilation, travel time and potential risks they should be aware off. Encourage cough protocols.	2	3	6	Principal Contractor	Monitor

6	Personal hygiene and accountability	Not reporting status, Poor personal hygiene and improper cough / sneezing etiquette. Spread of Covid 19 and other HBA's. Lack of correct masks use.	Increased risk of spreading the virus amongst co-workers and contaminating surfaces and/or tools. Touching of surfaces, tools and items that may have been contaminated;	5	3	15	Workers to be trained on proper personal hygiene and reporting protocols, which training must include the following: -Report - Frequently clean hands by using provided alcohol-based hand rub or soap with water. - Covering of mouth and nose with a flexed elbow when coughing / sneezing - Maintaining safe social distancing by avoiding close contact with anyone that has fever and cough	3	2	6	Principal Contractor	monitor
7	Soap and paper towels	Lack of adequate stock of to maintain facility hygiene	Poor implementation of hygiene protocols due to lack of resources resulting in increased risk of exposure and cross-infection;	4	4	16	Principal Contractor to ensure availability of stock at all times on site; It is recommended that adequate quantities of stock that should last for at least one month be procured and weekly as per the demand on site;	4	3	12	Principal Contractor	Facilities Regulations and Environmental Regulations apply.
8	Alcohol and substance abuse	Workers, visitors arriving at site under the influence of substances; Use of Breathalyzer for alcohol testing;	Intoxicated workers and/or visitors not complying with procedures laid down to prevent the spread of the virus; Cross infection due to use of shared breathalyzers;	5	4	20	Policy and method statement for substance abuse to be reviewed, management of visitors and workers under the influence of alcohol or other substances. Use of disposable individual testing units and appropriate disposal in hazardous waste bins.	5	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.

Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating				
1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3c.	3d.	3e.	3f.
S/N	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
9	HBA Risk awareness: Awareness Signage / Posters	Lack of SARS- COV 2 awareness signage and posters if positive or symptomatic	Workers not adhering to prescribed controls due to lack of awareness resulting in increased exposure.	5	3	15	A policy and method statement to be prepared. Display of posters and signage with the site rules and protocols that needs to be maintained at strategic points. DO NOT ENTER IF SYMPTOMATIC: TEST. illness protocols: IF sick, test, if +: Isolate for a minimum of 7days, or until symptoms go away. If + bout not sick: Report and wear a mask at all times. Competent supervision and adequate awareness training required. Discipline to be applied to those not complying.	2	6	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times.
10	Access Control	Uncontrolled access points; Untrained access controller / security guard Poor maintenance of site security fence;	Unauthorized access to site resulting in increased risk of contamination of the workplace and cross infection; Access controller / security guard not following correct procedure; Workers, visitors, site administration arriving on site via personal and public transportation. Failure to display no entry protocol.	5	4	20	Policy and method statements. All persons entering site to sanitize hands, prior to entry to site. Periodic alcohol testing to continue however only when warranted through suspicion.	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
12	Welfare facilities	Inadequate space for maintaining social distancing; Failure to disinfect welfare facilities; Possible contaminated surfaces;	Inability to maintain social distancing resulting in possible cross contamination and increased risk of infection; Workers coming into close contact with contaminated surfaces resulting in virus infections;	5	4	20	Updating of policy, method statements and HIRA, limiting of personnel on site to minimum number required to maintain control and management. Implement and maintain cleaning and disinfecting programme. Site rules for social distancing to 1.5m. Stagger number of people attending induction and training sessions. Use technology to avoid close proximity between individuals where possible.	3	15	Principal Contractor	High priority remedial action. Implement additional (secondary) controls immediately.
Hazard & Risk Identification				Raw Risk Evaluation			Risk Control Measures & Residual Risk Rating				

1a.	1b.	1c.	1d.	2a.	2b.	2c.	3a.	3c.	3d.	3e.	3f.
SN	Work activity	Hazard	Consequential Risk / Possible Accident / Ill health to persons, fire or property loss	Severity	Likelihood	RPN*	Risk Control Measures	Likelihood	RPN*	Responsible Party/ Person	Remarks/ flags
13	Emergency planning and response	Not following correct procedure for dealing with COVID-19 suspected cases; Emergency Co-Ordinator not trained in COVID-19 emergency response procedure;	spread of disease. Injury and loss	4	3	12	Review emergency plan and method statements. DSTIs and toolbox talks. Competent supervision and emergency co-ordinator to be trained on emergency arrangements. Updating of the emergency plan and communicated to all personnel. Emergency Number List updated to include National Institute of Communicable Diseases (NICD) Emergency Hotline – 0800 029 999 and dedicated Isolation Clinic Details.	2	10	Principal Contractor	Proceed with care. Remedial actions to be taken at appropriate times.
14	First Aid	First Aid Attendant not trained in COVID-19 and proper procedure to be followed when rendering first aid; First Aid Attendant not provided with and not using suitable PPE. Lack of general competency and valid certification. No First aid box or signage,	disease spread	5	3	15	The designated First Aid Attendant must be made aware of the hazards and risks related to COVID-19; Suitable PPE for the First Aid Attendant must be readily available on site at all times (N-95, FFP1 / FFP2 masks, Goggles and Latex gloves); CCO to monitor and control; Competency and resources must be up to date. report and record cases.	2	10	Principal Contractor	General good health and good immune systems are the best defense against diseases.
15	Contractor Management	Non-compliant Contractors and lack of keeping updated.	Increased risk exposure due to lack of monitoring and enforcement resulting in the spread of the virus;	3	4	12	Update the site HIRA, OHS systems according to the current relevant Regulations and HBR.	3	6	Principal Contractor	Monitor