

**PROVINCIAL ADMINISTRATION OF KWAZULU-NATAL
DEPARTMENT OF PUBLIC WORKS**



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

BILLS OF QUANTITIES

with GCC for Construction Works - Second Edition 2010

CONTRACTUAL SECTION

ONE VOLUME APPROACH

VOLUME 3 OF 4 (SCOPE OF WORKS, DRAWINGS / ANNEXURES)

**NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL
HEALTH UNIT**

Engineer/Principal Agent

Charles Taylor Architects
7A Townsend Road
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KwaDukuza
4420
032-946 3853 - Tel Number
032-946 3853 - Fax Number
charles@ctab.co.za

Architect

Charles Taylor Architects
74 Townsend Road
Ballitto
KwaDukuza
4420
032-946 3853 - Tel Number
032-946 3853 - Fax Number
charles@ctab.co.za

Employer:

Head: Public Works
KZN Department of Public Works
Private Bag X 9041
PIETERMARITZBURG
3200
Tel Number: 033-897 1300
Fax Number: 033-897 1399

Region:

Regional Manager
KZN Department of Public Works
X54336
Mayville
4091
Tel Number: 031-203 2210
Fax Number: 031-261 5044

Tender Number: ZNTD 02753W
CIDB Grading: 8GB or Higher
ECDP Number: N/A

Project Code: 048152
Document Date: As Per Tender Advert

Contracting Party: _____
CIDB Registration number: _____
Central Suppliers Database Registration Number: _____

NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

THE CONTRACT

1. PART C5: DRAWINGS/ANNEXURES

Page No.

Annexures	
Annexure 3 - Civil works specifications	1
Annexure 4 - Electrical works specifications	2
Annexure 5 - Mechanical works specifications	3
Annexure 6 - Joint Venture Agreement	4
Annexure 7 - EPWP Specifications	5
Annexure 8 - Waiver of Contractor's Lien	6
Annexure 9 - CIDB Contractor Participation goals and CIDB Build Programme Implementation guide	7
Annexure 10 - Location of tender box	8

IMPORTANT NOTICE TO TENDERERS

- Any reference to words Tender or Tenderer herein and/or in any other documentation shall be construed to have the same meaning as the words Tender or Tenderer. These forms are for internal and external use for the KZN Department of Public Works, Provincial Administration of KwaZulu-Natal.
- With regards to the provision of electronic Bills of Quantities, it must be noted that DPW SCM is against the issue of electronic Bills of Quantities.
- The fully priced Bills of Quantities to be submitted at tender closing.
- Where documents were not provided at the tender office, the Tenderers to provide proof of payment before date and time of the relevant briefing session to DPW to facilitate the issue of the tender documents. Additional tender documents will be copied. However, all tender documents to be collected from the **KZN Department of Public Works, 455A King Cetshwayo Highway, Mayville, Durban, 4001**. No tender documents will be issued from the Consultants office or at the tender briefing.
- "Quality" shall mean totality of features and characteristics of a product or service that bears on the ability of the product or service to satisfy stated or implied needs.
- The **Total (Including Value Added Tax) on the Final Summary of the Bills of Quantities** must be carried to the **"Offer" part only of the Form of Offer and Acceptance - T2.21**
- "Enterprise" shall mean the legal Tendering Entity or Tenderer who, on acceptance of the Offer, would become the **"Contractor"**.

8. **No alternative tenders will be accepted.**
9. The tender box is generally open during official working hours.
10. Tenderers should ensure that tenders are delivered timeously to the correct address. If the tender is late, it will not be accepted for consideration.
11. The requirements in respect of the application of either 80/20 and 90/10 preference points scoring system, is contained in part T2.34 - Functionality Criteria.
12. All tenders must be submitted on the official forms - (Not to be re-typed).
13. A SANAS approved current certified copy of B-BBEE status level verification certificate must be submitted in order to qualify for preference points for B-BBEE or an original current sworn affidavit in respect of SMME/QSE in the prescribed DTI format for the latest completed financial year of the bidding entity must be submitted. Tenderers to note that any certified copies of sworn affidavits must be stamped by the commissioning authority, must have the full particulars of the commissioner and if commissioned by SAPS must have the SAPS stamp as well as rank, initials, surname in printed letters and signature of the official on the document.
14. The **CIDB Contractor Participation goals and CIDB Build programme** will be implemented on these works and Tenderers must familiarise themselves with the requirements of this programme and desired implementation goals thereof and should refer to guide in the Annexures.
15. **Tenders will be evaluated in the following sequence:**

Phase 1: Administrative Compliance

- a. Form of Offer and Acceptance (Bound into section 1 of 4) (T2.21) to be fully and correctly completed.
- b. Attendance of the compulsory pre-tender briefing meeting, where a **physical or in person meeting is held**, Site inspection Certificate (T2.10) is to be completed and signed in full.
- c. Attendance of the compulsory pre-tender briefing meeting, where a **virtual meeting** is to be held, **a link to join the compulsory briefing session must be requested as stipulated in the tender advertisement on or before the date stipulated in the tender advertisement. Tenderers to note that the accepted tenderer's email for the briefing session will be the one that the Tenderer has registered with Central Supplier Database (CSD).**
- d. Central Supplier Database Registration: All bidders must be registered on the Central Supplier Database (T2.26).
- e. Appropriate active CIDB registration of bidding entity as per the requirements of this bid (T2.27).
- f. For Joint Venture combinations the following will be applicable: Three Grade 7 contractors within the class of work of the works or One Grade 8 lead partner within the class of work with any grade combination within the class of work of the works.
- g. Completion and submission of all returnable documents as contained in this bid document in full (T2.1 to T2.35).

Phase 2: Special Conditions: Quality Criteria (All the appropriate and requested information to be submitted in full)

- a. Full priced Bills of Quantities. The Bills of Quantities must be fully priced and submitted with the contractual section of this tender document at the closing date of the tenders.
- b. Experience: Firms experience in Building Projects of CIDB Grade 7GB or Higher verified with an Award letter or Purchase Order AND Practical Completion certificate or Final Completion certificate.

- c. Competency: Team member's experience and qualifications - certified copies of qualifications and CV with tracable references (For tracable references the proforma to be used can be found as Appendix A in Vol 1 of 4).
- d. Financial standing: Provide financial ability of the company to fund the project by providing company financials that reflect cash availability.
- e. Proposed Methodology, Approach and Programme: Verified by a detailed method statement and programme to be submitted.
- f. Specific Goal 1: Ownership by Black people.

FAILURE TO SUBMIT ANY OF THE ABOVE DOCUMENTATION IN THE PRESCRIBED FORMAT WILL, LEAD TO IMMEDIATE DISQUALIFICATION.



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT

PART C3. SCOPE OF WORKS

C3.2 - SPECIFICATION FOR HIV/AIDS AWARENESS

1 Scope

This generic specification contains requirements applicable to the reduction of the risk of transfer of the HIV virus between and among construction workers and the local community through the following four strategies:

- a) raising awareness about HIV/AIDS;
- b) providing construction workers with access to condoms;
- c) HIV counselling, testing and referral services; and
- d) Sexually Transmitted Infection diagnosis and treatment.

2 Normative references:

The following standard contains provisions that, through reference in this text, constitute provisions of this standard:

SANS 4074 ISO 4074, *Condom Rubbers*

3 Definitions and Abbreviations

3,1 Definitions

Construction Worker: all persons in the employ of the contractor or in the employ of any of the subcontractors contracted by the contractor.

Local Community: the communities local to the site which are most likely to have contact with the construction worker and, in particular, sex workers in those communities.

Service provider: the natural or juristic person recognised by the South African Department of Health as specialist in conducting Aids Awareness Programmes.

3,2 Abbreviations

STI: Sexually transmitted infection

HIV: Human Immunodeficiency Virus

AIDS: Acquired Immune Deficiency Syndrome

4 Objectives

The objectives are to:

- a) reduce the risk of transfer of the HIV virus between and among construction workers and the local community;
- b) raise awareness amongst construction workers and the local community of the risk of infection with the HIV virus;
- c) promote early diagnosis; and
- d) assist affected individuals to access care and counselling.

5 Requirements

5.1 General requirement

The contractor shall, in order to satisfy the objectives stated in 4:

- a) make condoms complying with the requirements of SABS ISO 4074 available to all construction workers at readily accessible points on the site, suitably protected from the elements, for the duration of the contract;
- b) either place and maintain HIV/AIDS awareness posters of size of not less than A1 in areas which are highly trafficked by construction workers, or provide construction workers with a pamphlet, in languages largely understood by construction workers, which
- c) encourage voluntary HIV/STI testing;
- d) provide information concerning counselling, support and care of those that are infected services; and
- e) comply with the requirements of 5.2.

The provisions of 5.1 c) and d) do not apply to this contract.

5.2 HIV awareness programme

5.2.1 The contractor shall:

- a) engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme which is structured to achieve the outcomes stated in 5.2.3 for contract workers as soon as a construction workers camp is established and populated or, where no such camp is established, within two weeks of the commencement of a significant portion of the works and at subsequent intervals, if any, provided for in the scope of works; and
- b) arrange for, provide a suitable venue, and instruct all construction workers to attend the HIV Awareness Programme and notify the Employer's Representative of the date, time and venue whenever a session with construction workers is conducted.

Note: The National Department of Public Works maintains a list of qualified service providers.

5.2.2 The contractor shall do nothing to dissuade construction workers from attending such an HIV Awareness Programme and shall take all reasonable steps to ensure that a minimum of 90% of construction workers engaged in the works attend such a programme, when it is conducted.

5.2.3 The outcomes of the HIV Awareness Programme shall as a minimum, result in contract workers exposed to such a programme being able to:

- a) communicate the existence of problems of HIV and be able to outline the consequences of transmission of HIV to or from the local community;
- b) recall and communicate the mode of HIV transmission and preventative measures including the proper use of the condom.

The HIV/ Aids awareness programme described in 5.2 is to be repeated at four month intervals throughout the duration of the contract. (Four times in total, including the initial one at the start of the contract)

5.3 Reporting

- 5.3.1** The contractor shall prepare and attach to his claims for payment a brief report which outlines how the actions taken by the contractor in the period for which payment is claimed satisfy the requirements and a schedule which lists the names, identity numbers, trade / occupation and name of employer of all construction workers exposed to the programme (see **HIV/STI Compliance Report**).
- 5.3.2** The employer's representative shall certify the report and schedule described in 5.3.1 whenever a claim for payment is issued to the employer.

Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer (Head: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum.

The *HIV /Aids* awareness programme described in 5.2 shall in addition *be conducted* for the benefit of the local community on two occasions in the community centre nearest to the building site. The contractor shall be *responsible* for inviting identifiable community-based *institutions and organisations, churches, and schools to participate in the programme.*

C3.3 - HIV/STI COMPLIANCE REPORT

Pro-forma reporting format in terms of the SPECIFICATION FOR HIV/AIDS AWARENESS

Project Code:

048152

Payment Claim number:

Period covered by payment claim:

1. Distribution of condoms (briefly describe where and how condoms are distributed).

2. Posters / pamphlets (briefly describe where posters were placed / how pamphlets were distributed).

3. Voluntary testing (briefly describe the actions taken / information provided to promote testing).

4. Counselling, support and care (summarise information provided).

5. HIV awareness programme (briefly describe action).

[illegible]

For Contractor:

Signature: _____

Date: _____

Name: _____

Signature: _____

Date: _____



KWAZULU-NATAL PROVINCE

PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT

PART C4. SITE INFORMATION

C4.1 SITE INFORMATION
GCC FOR CONSTRUCTION WORKS (2 Edition of 2010)

Project title:	NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT		
Tender No.	ZNTD 02753W	Project Code:	048152

C4.1 Site Information

C4.1 GENERAL

- (a) The site is within the General Justice Gizenga Mpanza Precint and is located on a bunk within the confines of the site. Some existing building structures are to be demolished underneath the existing main road network.
- (b) The works are to be executed within a live site and hence minimum disruptions to the operations of the hospital are to expected at all times.
- (c) The contractor is to refer to the Civil Engineer's specifications with regards to the execution of the works.

C4.2 GEOTECHNICAL INVESTIGATION REPORT

- (a) Not applicable



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT

PART C5 - DRAWINGS / ANNEXURES

C5.1 - LIST OF DRAWINGS/ANNEXURES

NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT

Tender No.:	ZNTD 02753W	Project Code:	048152
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(Where drawings/annexure's are issued, document compilers must insert the following paragraph and list the applicable drawings/annexure's below.)

The following drawings/annexure's shall be issued during the Tender period to form part of the tender documentation. Where applicable, drawings/annexure's could be re-issued to the Contractor at commencement of the construction phase.

DRAWING NO

DESCRIPTION

	Architectural drawings and specifications
	Electrical drawings

ANNEXURES

Annexure 1	OHAS Specification
Annexure 2	Architectural drawings



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT

ANNEXURES



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT

ANNEXURES 1 - OHAS SPECIFICATION

HIAC

Submission:

Occupational Health and Safety

**Project: GENERAL JUSTICE GIZENGA
MPANZA REGIONAL HOSPITAL– NEW
28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT
MENTAL HEALTH UNIT**

WIMS: 048152

**Prepared by: Neil Enslin
Master Builders KZN**



health
Department:
Health
PROVINCE OF KWAZULU-NATAL

Annexure E

DIRECTORATE

INFRASTRUCTURE PLANNING

Physical Address: Townhill Office Park, Townhill Hospital, 35 Hyslop road, Pietermaritzburg, 3201

Postal Address: Private Bag X9051, Pietermaritzburg, 3200

Tel: 033 940 2611

www.kznhealth.gov.za

TO BE COMPLETED BY ALL PROFESSIONALS

DISTRICT: ILEMBE DISTRICT MUNICIPALITY

MUNICIPALITY: KWADUKUZA

CITY/TOWN/PLACE: STANGER

INSTITUTION: GJGM REGIONAL HOSPITAL

PROJECT: GJGM HOSPITAL NEW 28 BED PSYCHIATRIC WARD

DOH PROJECT NUMBER: WIMS 148152

DECLARATION BY APPOINTED COMPETENT PERSON

I, Neil Enslin

Address 40 Essex Terrace, Westville 3629

(Domicile Exetandi)

Telephone no

318,313,222

Cellular phone no

823816170

E-Mail

neil@masterbuilders.co.za

(If representing a partnership, association, company or incorporated body, the name thereof) having accept my appointment; accept full responsibility for:

tick appropriate box

- i ☒ The rational design ☐ Rational assessment ☐ Geotechnical investigation in respect of the above project and in accordance with the *rational design/rational assessment/geotechnical investigation requirements of the National Building Regulations for the applicable work described herein, and, where relevant, for the inspection, in respect of work contemplated in section 3 of this Form, and accept that the provisions of Regulations A19(6), (7) and (8), and, where applicable, Regulation A14 shall apply to the duties and responsibilities of any appointment;
- ii providing the local authority and Department of Health with such drawings, details and particulars as are and may be required by the National Building Regulations;
- iii notifying the local authority in writing should,
- a) it appear that any work is being carried out in a manner which might endanger the strength, stability or serviceability of the building or any adjoining building, structure or property; and
- b) my appointment be terminated before the work for which I was appointed is complete;
- iv submitting to the local authority in terms of section 14(2A) of the National Building Regulations and Building Standards Act, written confirmation on completion of the relevant work, where required, and
- v maintaining contact with the owner/implementing agents of the project as to when my services may be required, and declare that –

vi a) I am competent to undertake the:

☒ The rational design ☐ Rational assessment ☐ Geotechnical investigation

and any associated inspection work in relation to the applicable work(s) contemplated in DESCRIPTION OF APPLICABLE WORK of this Form and in support of my declaration of competence submit that (tick appropriate option)

☐ I satisfy the relevant definition for competent person contained SANS 10400 in all respects in relation to the works contemplated; or

☐ I have the necessary qualifications, experience and contextual knowledge to undertake such work as set out in the attached declaration; (Attach declaration setting out qualifications, experience and contextual knowledge relating to the work contemplated)

b) I shall satisfy Regulation AZ4 by (tick appropriate option)

☐ complying with all the relevant requirements of SANS 10400; or

☐ reliably demonstrating, or predicting with certainty, to the satisfaction of the appropriate local authority and Department of Health, that an adopted building solution has an equivalent or superior performance to a solution that complies with the relevant requirements of SANS 10400;

c) ☒ I declare, I am ☐ am not an employee of the owner and

☐ have ☐ do not have professional indemnity cover;

d) my professional registration is current and is not suspended or terminated and is appropriate in relation to the services required; and

e) all the information given is, to the best of my knowledge and belief, true and correct

NAME OF FIRM/INSTITUTION:

Master Builders KZN

NAME OF PROFESSIONAL CONSULTANT:

Neil Enslin

REGISTRATION BODY: SACPCMP

REGISTRATION NO: CHSA/043/2016

SIGNATURE DATE

 23/01/2025

REFERENCE NR	CHSA/043/2016 WIMS 048152
REV	1
STAGE	4
DATE	November 2024



KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

HEALTH AND SAFETY DESIGN RISK REPORT, SHE SPECIFICATION AND BASELINE RISK ASSESSMENT

PROJECT NAME	GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL– NEW 28 BEDDED MALE AND FEMALE INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT WIMS: 048152
PROJECT ADDRESS	GJGM Regional Hospital Physical Address: 23A King Shaka Street, KwaDukuza/ Stanger (or Corner of King Shaka and Patterson).
WIMS NR.	WIMS 048152
CLIENT	Department of Health
PREPARED BY	Neil Enslin

<u>TABLE OF CONTENTS</u>
<u>PART A</u>
1. Introduction.
2. The Role of the Client.
3. The Role of the Designer.
4. The Role of the Principal Contractor.
5. Site Location.
6. Draft Summary Scope of Work.
7. Project Team.
8. Draft Summary of Designers Risk Assessments,
Draft Baseline Risk Assessment and SHE Specification.

1. Introduction.

The purpose of this report is to inform all relevant role-players of their duties and responsibilities in terms of the Construction Regulations of 2014, specifically as they relate to the GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL– NEW 28 BEDDED MALE AND FEMALE INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT, also referred to as Stanger Hospital. The type of contract entered into between the Department of Public Works, KwaZulu-Natal, and the Principal-Agent will determine the approach taken to manage OHS throughout the various stages of the project life cycle.

This project is defined as a Design by Employer project. In terms of OHS management, certain functions and responsibilities that would normally be carried out by the client will be transferred to the Principal Agent and Client Health and Safety Agent.

2. The Role of the Client

Construction Regulation 5 outlines the duties of the Client. While some of these duties will be delegated to the Principal Contractor (PC), certain responsibilities such as developing a Site-Specific Health and Safety Specification (SSHSS), conducting a Baseline Risk Assessment (BRA), approving the Principal Contractor's Site-Specific Health and Safety Plan (SSHSP), and conducting monthly audits during construction will remain the Client's responsibility.

To ensure compliance with these responsibilities upon awarding the tender to the successful bidder, the following steps will be taken:

1. The Client Health and Safety Representative (CHSR) will, through the Project Leader, schedule a meeting with the Principal Contractor. During this meeting, a copy of this document will be provided to the Principal Contractor, and a detailed explanation will be given on how health and safety will be managed throughout the entire design process, construction, and eventual closeout.
2. The Section 37.2 Agreement applicable to the Principal Contractor will be reviewed and signed by the relevant parties in collaboration with the Contractor.
3. Upon the appointment of the Designers by the Principal Contractor, a briefing session will be arranged through the PC and the Project Leader. During this session, the Designers will be briefed on their duties as outlined in Construction Regulation 6, including how to conduct their Risk Assessments, when to submit their risk assessments and a detailed explanation of the contents of this document.

3. The Role of the Designer.

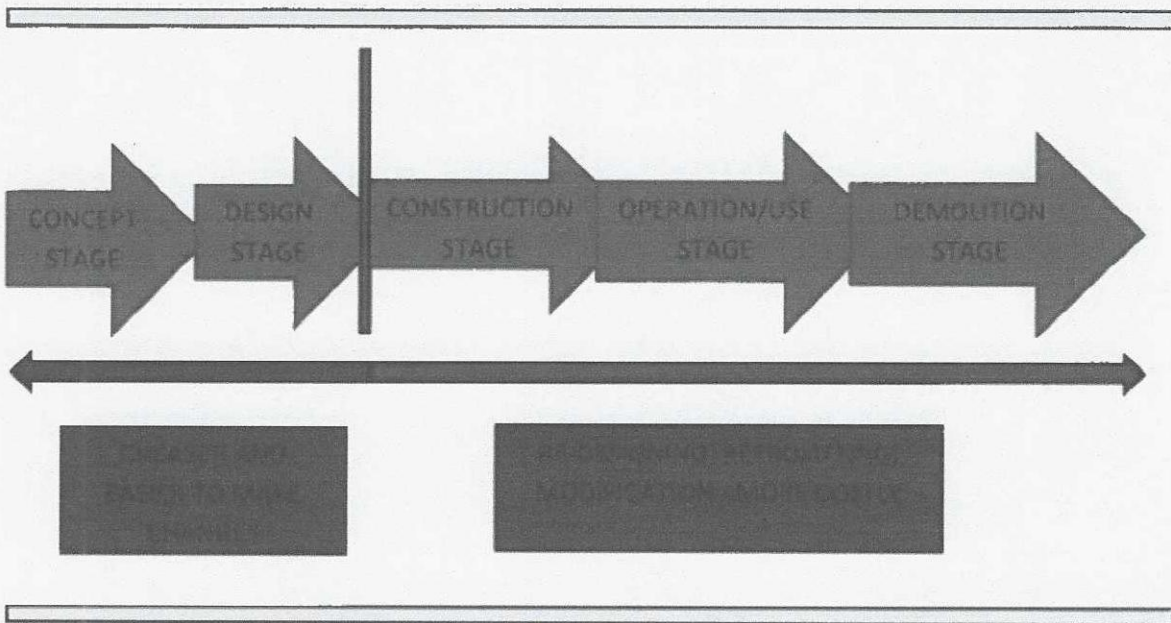
The Designers must acquaint themselves with their roles and responsibilities as outlined in Construction Regulation 6 and become familiar with the contents of this document. Throughout the planning stages of the project, Designers are required to continuously subject their designs to the Hazard Identification and Risk Analysis (HIRA) process.

The purpose of conducting HIRA on a proposed design is to identify hazards and risks associated with anticipated activities that will be part of the construction process, including its use, maintenance,

and eventual demolition. As illustrated in the diagram below, it is more cost-effective and simpler to address hazards and risks at the earlier stages of the project. Once construction commences, the cost and effort associated with implementing risk control measures increase.

This emphasizes the importance of early identification and mitigation of hazards and risks in the design phase to ensure a safe and efficient construction process.

ADDRESSING HAZARDS AND RISKS AT THE RIGHT TIME



In accordance with Construction Regulation 6, Designers must ensure that their designs do not incorporate anything that necessitates the use of dangerous procedures or materials hazardous to the health and safety of individuals, unless such risks can be avoided by modifying the design or substituting materials. Additionally, Designers must consider hazards related to subsequent maintenance, use, and eventual demolition of the structure, and make necessary changes to minimize such risks. Furthermore, Designers need to incorporate ergonomic design principles to minimize ergonomic hazards associated with their designs throughout all phases of the project life cycle.

Designers are also required to report hazards and risks associated with their designs in the required format, which can be found in the annexures of this document. These reports should be forwarded to the Client Health and Safety Representative. The Client Health and Safety Representative will, where necessary, include such hazards and risks identified by the Designers in the Site-Specific Health and Safety Specification and Baseline Risk Assessment.

4. Role of the Principal Contractor

The Principal Contractor (PC) will be required to sign a Section 37.2 agreement, which is attached as an annexure to this document. This agreement lays out the arrangements and procedures between both parties to ensure that where the PC will be performing duties on behalf of the Client, such duties have been performed.

As mentioned earlier under "Duties of the Client," several of the Client's duties will be carried out by the PC on behalf of the Client. Effective communication and cooperation between the parties will be crucial, especially throughout the design process. At the end of the design process, before construction work begins, the PC will need to submit a Site-Specific Health and Safety Plan (SSHSP). If approved by the CHSR (Client Health and Safety Representative), this will enable the PC to commence construction work and fulfil the remainder of their duties as outlined in Construction Regulation 7 (CR7) and the Site-Specific Health and Safety Specification (SSHSS).

5.	Site Location.
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GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL– Address: 23A King Shaka Street, KwaDukuza/ Stanger (or Corner of King Shaka and Patterson).

6.	Draft Summary Scope of Work
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Construction of 28 Bed medium to long-stay mental health units, OPD Section, Admin (manager's) Offices & Stores, Consulting Rooms & Treatment Rooms and Pharmacy

This project includes but is not limited to the following:

Structural & Non-Structural Brickwork on Ground Floor:

- Glazing
- Carpentry & Joinery
- Ironmongery
- Plastering & Painting
- Ground Floor suspended reinforced concrete slab
- Ground Floor reinforced two-level concrete Roof Slab
- Structural Steel roof support (plant room/services void)
- Roof Sheetting/covering (plant room/services void)

85-Bay, Lower-Ground (basement) parking

- Concrete Foundations (column bases, strip footings to ret walls etc)
- Concrete Columns
- Ground Floor suspended concrete slab
- Reinforced Concrete Retaining Walls
- New Service Tunnel to medical ward plant room

CIVIL ENGINEER

- Stormwater drainage system
- sewer drainage system
- potable water supply system
- driveway layerworks
- Paving , driveways & ramps
- drystack retaining wall
- Access road widening
- Drystack Retaining Wall - Highway site facing

ELECTRICAL ENGINEER

- New mini sub-station
- High voltage buried cabling (trenching, backfilling & compaction)
- Standby Generator
- Rooftop Solar System
- Lighting (Fitting recessed in concrete ceiling etc)
- MV Cables
- LV Cables
- LV Distribution Board

MECHANICAL ENGINEER

- Heating, Ventilation & Airconditioning (HVAC) System
- Wet Services - Internal Domestic Water Supply
- Wet Services - Hot Water Reticulation
- Wet Services - Internal Sewer Reticulation
- Wet Services - Fire Protection
- Medical Gas supply system

7.	The Project Team.
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<u>Initials and Surname</u>	<u>Discipline</u>	<u>Organisation</u>	<u>Cellular number</u>	<u>E-mail address</u>
Motseko Kotelo	Project Manager	DoPW	072 076 2803	motseko.kotelo@kznworks.gov.za
Sibusiso Khoza	Construction Health and Safety	DoPW	083 4085 056	sibusiso.khoza@kznworks.gov.za
Charles Taylor	Architect/Principal Agent	Charles Taylor Architects cc	082 300 9991	charles@ctab.co.za
Magdaleen Duvenhage	Structural Engineer	iX Engineering	082 4570204	magdaleen.d@ixengineers.co.za
John Bohler	Civil & Structural Engineer	iX Engineering	082 497 0419	john.b@ixengineers.co.za
Mike Richmond	Civil Engineer	iX Engineering	082 872 3917	espiedog@gmail.com
Jeremiah Govender	Mechanical Engineer	Dihlase Consulting Engineers	074649 4249	jeremiah@dihlase.co.za
Ridwaan Ismael	Fire Engineer	Dihlase Consulting Engineers	072 786 4018	ridwaan@dihlase.co.za

Neil Enslin	Pr. CHSA	Master Builders KZN	0823816170	neil@masterbuilders.co.za
Richard Chitepo	Electrical Engineer	Riccon Engineering	078 894 1171	richard@ricconengineering.co.za
Jonathan Rukidi	Quantity Surveyor	Cempa Eng. Worx	082 952 6779	jonathan@cepma.co.za

8. Draft Summary of Designers Risk Assessments (Residual Risks)

S	Safety
H	Health
C & D	Cost and Design
E	Environmental
C	Construction
U	Use
M	Maintenance
D	Design

Activity/Feature	HAZARD			PUR E RISK	STAGE				RESI DUAL RISK	MITIGATING MEASURES
	S	H	E		C	U	M	D		
Site establishment and construction processes within an existing hospital environment	Limited space for contractors' yards. Resulting use of the hospital parking area for site vehicles and material delivery Dust generation	Dust, chemical burns Ergonomic injuries		16	Delivery vehicle clashing with patients Traffic congestion Security hazards Dust in a hygienic environment	N/A	N/A	N/A	8	Dedicated access to be created for the construction period - for all construction staff and material delivery. Contractor yard layout to be provided indicating sufficient space to include for delivery, staff parking, site office, materials storage and plant/equipment.
Demolition of existing structure including asbestos roof	Possible contamination with asbestos to site labour. Demolition causing	Exposure to Asbestos dust Ergonomic injuries	Contamination of unauthorised dumpsites	16	Removal of asbestos to a registered site.	N/A	N/A	N/A	8	Utilise a specialist to remove Asbestos from the site and provide proof of responsible clearance—all handling to utilise

	materials to fall from height and injure staff									appropriate safety gear.
Exposed foundation trenches	Exposed foundation trenches Fall Risk Puncture injuries	Exposure to cement dust Chemical burns Ergonomic injuries		16	Delays due to improper shoring and non-compliance	N/A	N/A	N/A	3	Ensure solid barricading is located around the trench.
Scaffolding, shuttering and fixing of steel rebar to concrete ground floor and concrete ceiling slabs	Exposed nails Fall Risk Exposed nails to injure any part of the body, especially the eye or head	Exposure to cement dust Chemical burns Ergonomic injuries	Ground contained with concrete	16	Incorrect construction resulting in rework and delays				8	Ensure shop drawings are provided for scaffolding. Ensure to utilise staff who are familiar with the erection of scaffolding and fixing of rebar. These are specialised tasks and on a project of this size should recommend the scaffolding company utilises a supply and install price.
Suitability of insitu materials for road foundation layers and for bulk earthworks: Geotechnical investigation indicated that some of the cut material is suitable for use as fill or layer works. The risk is that the material is correctly selected on site and utilised within the areas recommended	Collapse excavations	Dust Ergonomic injuries	Legal stockpile of material	5	If the material handling is not managed well, the good material may be discarded in error. This may have a cost implication if more material is required to be imported. Alternatively, if poor material is used in error then this will result in the quality of the fills and subgrade being below specification	Damage roads	Repeated repairs to the road		3	Increased supervision / site presence by geotechnical personnel during earthworks operations. Testing of materials once exposed and prior to use. Stockpile management and materials handling requirements to be included in the project specification

Existing underground services	Electrocution	Electrical burns Ergonomic injuries		12	Existing underground services are not reflected on as-built or survey drawings.		All services identified and place drawings for ease of repairs	4	Termination / blanking off of services will be done as required on site. Where services are 'live' and need to be relocated, a program and method statement will be agreed by all affected parties prior to commencement of the relocation.
Open excavations or trenches	Fall Risk Collapses	Dust Ergonomic injuries Lung infections Heat exhaustions		16	Delays due to improper shoring and non-compliance			8	Foundation design and service routes are to be designed to minimize the possibility of this occurrence. In addition, the risk is to be highlighted in the design reports, specifications and on drawings so as to alert the contractor to this
Poor construction or appointing an incompetent contractor	Work stoppage			16	Improper safety management systems			4	Choosing a competent contractor is an important part of the tender process and is in the control of the client.
The existing rock identified by the geotechnical investigation				6	Delays in construction due to improper planning			3	Tender document to make allowance for the presence of rock and make the geotechnical report available to tenderers. Contract specification to exclude the use of blasting and large construction plant to remove rock.
Soil collapse in excavations or trenches									All trenches / excavations to be

									shored or battered back to a safe slope
Installing services on roof or at height	Fal Risk position - serious injury, fatality	Ergonomic injuries			Fall from height			Fall from height	All personnel to be trained and equipped for the work environment
Pressure testing of water mains		Ergonomic injuries							Correct procedures to be followed and areas cordoned off during testing
Connection of main power supply	Electrocutions Dust inhalation Fall in exposed trenches	Back injuries; Lung infections Heat exhaustion			Live electricity network	Thermal overload; Protection malfunction;			Authorised person electrical connection; COC for all electrical works; Planned proper equipment maintenance; Visible trench barricades; Safe and proper disposal of used old oils; Use of correct heavy equipment lifting machines
Rooftop Solar System	Falling from heights	Ergonomic injuries			Handling and lifting of solar panels	Solar panel failures and fire hazards	Work on a live system		Approved solar installer to install the system COC for all electrical works; Use of specified solar panels, inverters, batteries and correct size conductors Planned proper solar system maintenance; Authorised person with proper training on working on heights

									Safe and proper disposal of used old panels
Lights recessed in to concrete ceiling	Electrocutions and injuries. Falling from heights	Ergonomic injuries	Hazardous waste from old fittings		Damage to light fittings due to concrete expansion and contraction The correct size for concrete formwork for recessed lights Adequate conduits in concrete to all lights; Clashing with other services. Working on heights			Working on heights; Disposal of old light fittings and lamps	Proper services coordinated light layout drawing to be strictly followed to avoid clashes, Working on heights training; Provision of expansion joint around the light fitting; Proper and safe disposal of old fittings; Trained and trade tested electricians to be used;

PART A

REFERENCE NR	CHSA/043/2016 WIMS Number 048152
Revision	0
Date	02/06/2024



KWAZULU-NATAL PROVINCE

**PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA**

Occupational Health and Safety Specification (OHSE SPEC)

PROJECT NAME	GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL– NEW 28 BEDDED MALE AND FEMALE INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT: 048152
PROJECT ADDRESS	GJGM Regional Hospital Physical Address: 23A King Shaka Street, KwaDukuza/ Stanger (or Corner of King Shaka and Patterson).
WIMS N°	WIMS 048152
CLIENT	Department of Health
PREPARED BY	Neil Enslin

TABLE OF CONTENTS
1. Introduction and Purpose
2. Abbreviations
3 Definitions
4. Key References
5. Scope of application
5.1. <i>Site location</i>
5.2. <i>Draft Summary of Scope of work</i>
5.3. <i>Project team & communication strategy</i>
6. Draft Summary of Designers Risk Assessments.
7. Requirements pertaining to Site Specific Health and Safety Plan Submission.
8. Principal Contractor Risk Assessments.
9. Notification of Construction Work/Permit Application
10. Site Specific Occupational Health and Safety Management (In alphabetical order)
11. Draft Baseline Risk Assessment.
12. Annexures.
12.1. Annexure A – Health and Safety Declaration for PC.
12.2. Annexure B – Draft Risk Profile.
12.3. Annexure C – Structure of the SSHSP, Appointments and Registers.
12.4. Annexure D – Designers Acknowledgement of Receipt of Draft SSHSS.
12.5. Annexure E- Draft OHS Bills of Quantities.
12.6. Annexure F-Compulsory Checklists
12.6.1. Site Establishment Checklist. (Construction Phase only)
12.6.2 Asbestos Checklist. (Construction Phase only)(Where applicable)
12.6.3. Daily Observations (Construction Phase only)

12.6.4. Risk Assessment and Method Statement Format (RAMS) (Construction Phase only)

12.6.5. Daily Safe Task Instructions (DSTI) (Construction Phase only)

1. Abbreviations	
AIA	Approved Inspection Authority
ALARP	As low As Reasonably Practicable
BRA	Baseline Risk Assessment
BOQ	Bill of Quantities
COIDA	Compensation for Occupational Injuries and Diseases Act.
CHSM	Construction Health and Safety Manager
CHSR	Client Health and Safety Representative
CR	Construction Regulations
CWP	Construction Work Permit
DMR	Driven Machinery Regulations
DEL	Department of Employment and Labour
FEMA	Federated Employers Mutual Association
FPP	Fall Protection Plan
GAR	General Administration Regulations
GSR	General Safety Regulations
HCSR	Hazardous Chemical Substances Regulations
HIRA	Hazard Identification and Risk Assessment
H&S	Health and Safety
JSA	Job Safety Analysis
MSDS	Material Safety Data Sheet
OH	Occupational Health
OHS Act	Occupational Health and Safety Act, Act 85 of 1993
PC	Principal Contractor
PPE	Personal Protective Equipment
Pr CHSA	Professionally Registered Health and Safety Agent
RAMS	Risk Assessment and Method Statement
RTA	Road Traffic Safety Act, Act 93 of 1996

SABS	South African Bureau of Standards
SACPCMP	South African Council for Project and Construction Management Professions.
SARTSM	South African Road Traffic Safety Manual, Chapter 2. Volume 13
SANS	South African National Standards
SSHSS	Site Specific Health and Safety Specification
SSHSP	Site Specific Health and Safety Plan
SWP	Safe Work Procedure

2. Definitions

“Occupational Health Practitioner” Doctor or Nurse registered and in Good Standing with the Health Professions Council of South Africa and has a tertiary qualification in Occupational Health Nursing.

“Medical Surveillance” Planned program of periodic examination/medicals of employees by an occupational health practitioner.

“Act” Means, unless the context indicates otherwise, the Occupational Health and Safety Act, 85 of 1993.

“Agent (Pr. CHSA)” means a competent person who acts as a representative for a client in terms of Regulation (5)5 of the Construction Regulations of 2014.

“Audit” Means a systematic examination of documents, equipment, physical on-site conditions etc. to evaluate the levels of compliance with clients OHS requirements, applicable legislative requirements, and the achievement of a safe working environment for Employees, as well as not posing a risk to other persons and the environment.

“Baseline Risk Assessment” (BRA) A wide encompassing risk assessment performed by the client of anticipated construction activities to execute the anticipated scope of work pertaining to the project.

“CR” refers to the Construction Regulations 2014.

“Client” in terms of this document means Department of Public Works, Kwazulu-Natal.

“CHSR” Means Client Health and Safety Representative, an in-house employee appointed by the Client to oversee the Health and Safety Management of a project.

“CHSM” means Construction Health and Safety Manager.

“Competent person” means a person who-

- a) Has in respect of the work or task to be performed the required knowledge, training and experience and, where applicable, qualifications, specific for that work or task provided that where appropriate qualifications and training are registered in terms of the provisions of the

National Qualifications Framework Act, 2000 (Act No.67 of 2000), those qualifications and that training must be regarded as the required qualifications and training; and is familiar with the OHS Act, Act 85 of 1993 and with the applicable regulations made under the Act.

"Construction Health and Safety Officer" Means a person deemed competent by SACPCMP under the relevant category of registration appointed by the Principal Contractor to oversee the Safety, Health and Environmental Management on-site.

"Construction Manager (Site Agent)" means a competent person responsible for the management of the physical construction processes and the coordination, administration, and management of resources on a construction site.

"Construction Plant" Encompasses all types of plant including but not limiting to, cranes, piling equipment, boring machines, excavators, dewatering equipment, and road vehicles with or without lifting equipment.

"Construction Site" means a workplace where construction work is being performed.

"Construction Supervisor" means a competent person responsible for supervising construction activities on a construction site.

"Construction Vehicle" means a vehicle used as a means of conveyance for transporting persons or material, or persons and material, on and off the construction site for the purposes of performing construction work.

"Construction work" means any work in connection with –

- a) The construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure; or
- a) the construction, erection, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer, or water reticulation system; or the moving of earth, clearing of land, the making of excavation, piling, or any similar civil engineering structure or type of work.

"Construction Work Permit" means a document issued in terms of Regulation 3 of the Construction Regulations of 2014;

"Contractor" means an employer who performs construction work.

"Demolition Work" means a method to dismantle, wreck, break, pull down or knock down of a structure or part thereof by way of manual labour, machinery, or the use of explosives.

"Designer" Means a competent person as defined by the Construction Regulations of 2014 appointed by the Client or the Principal Contractor as Agent to design and/or supervise and/or monitor construction work on their behalf.

"Fall Protection Plan" (FPP) means a documented plan, which includes:

- a) Identification of hazards and risks pertaining to the risk of falling taking the nature of the work and its environment in consideration;
- b) The procedures and methods to be applied to eliminate the risk or to reduce it to a level which is as low as reasonably practicable; and

c) A rescue plan and procedures.

"Fall Prevention Equipment" Means equipment used to prevent persons, tools, equipment, machinery materials etc from falling from a "fall risk" position, including personal protective equipment, body harness, body belts, lanyards, lifelines or physical equipment, guardrails, screens, barricades, signage anchorages or similar equipment.

"Fall Risk" means any potential exposure to falling either from, off, over or into.

"Hazard" Means a source, situation, feature, activity, or anything else which has got the potential to cause harm, injury, death, environmental damage, business interruption etc.

"Hazard Identification and Risk Assessment (HIRA)" Means a document, which identifies hazards, assesses the risks and identifies the control measures, which are to be used to mitigate or reduce to a level which is as low as reasonably practicable the occurrence of hazards and risks during construction, use, operation and eventual demolition phases of a project.

"Hazardous Chemical Substance (HCS)" Means any toxic, harmful, corrosive, irritant or asphyxiating substance, or a mixture of substances, for which an occupational exposure limit is prescribed, or an occupational exposure limit is not prescribed, but which creates a hazard to health and the environment.

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.

"Issue based Risk Assessment" Means a Risk Assessment based upon a specific issue/activity/item which could be instituted in response to the high priority risks identified in the Baseline Risk Assessment, Programme Risk Assessment or even after a near miss or actual loss event.

"Job Safety Analysis (JSA)" Means an analysis of a specific job or task according to a pre-determined procedure which helps to integrate accepted SHE principles and practises into a particular task or activity. Each step of the JSA is to identify potential hazards and to recommend the safest way to do the job.

"Medical Certificate of Fitness" means a certificate contemplated in regulation 7(8) of Construction Regulations of 2014.

"Method Statement (MS)" also known as a **Safe Work Method Statement (SWMS)**, or **Safe Work Procedure (SWP)** is a document developed because of the outcome of a risk assessment by the contractor, which contains details of how each task should be performed safely.

"Principal Contractor (PC)" means an employer appointed by the client to perform construction work, but may also include the responsibility of designing or overseeing the design process.

"RAMS" Means Risk Assessments and Method Statement.

"Risk" Means the probability or likelihood that the possible harm, injury, death etc potential of a hazard could be realized with a consequence attached.

"SHE" Means Safety, Health and Environmental.

"Site": Means the area handed over to the Principal Contractor for the purposes of construction work. 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 and/or the Client.

"Site Specific Health and Safety File (SSHSF)" Means a file specifically pertaining to a site containing all health and safety documentation relating to the project as per the requirements of the Construction Regulations of 2014 and/or the SSHSS.

"Site Specific Health and Safety Plan (SSHSP)" means a detailed site, activity, or project specific documented plan in accordance with the client's OHSE specification indicating how health and safety will be managed during the project.

"Site Specific Health and Safety Specification (SSHSS)" means a site, project specific document prepared by the client pertaining to all health and safety requirements related to construction work.

3. KEY REFERENCES

- Occupational Health and Safety Act No. 85 of 1993 and Regulations (as amended)
- The Compensation for Occupational Injuries and Diseases Amendment Act 10 of 2022
- SANS Code 10400.
- SANS 10085-1:2024
- Joint Building Conditions of Contract (JBCC)
- South African Bureau of Standards (SABS) 1200
- SANS Code 10400.
- Asbestos Abatement Regulations, 2020
- Construction Regulations, 2014
- Driven Machinery Regulations, 2015
- Ergonomic Regulations, 2019
- Electrical Installation Regulations, 2009
- Electrical Machinery Regulations, 2011
- Environmental Regulations for Workplaces, 1987
- Explosives Regulations, 2024
- Facilities Regulations, 2004
- General Administration Regulations, 2003
- General Machinery Regulations, 1988
- General Safety Regulations, 1986
- Hazardous Biological Agents 2022

- Regulations for Hazardous Chemical Agents, 2021
- Lead Regulations, 2002
- Lift, Escalator and Passenger Conveyor Regulations, 2010
- Major Hazard Installation Regulations, 2022
- Noise-Induced Hearing Loss Regulations, 2003

4. INTRODUCTION AND PURPOSE

Purpose and Importance of SSHSS

- **Objective:** The SSHSS outlines health and safety requirements specific to the construction site. It ensures that the Principal Contractor (PC) adheres to safety standards and legal obligations, providing a safer working environment.
- **Review and Update:** The SSHSS is dynamic and will be periodically reviewed and updated to reflect changes in:
 - Legislation
 - Client requirements
 - Best practices
 - Lessons learned from past incidents
 - Unforeseen issues

Roles and Responsibilities

- **Client:** Defined as the KwaZulu-Natal Department of Public Works, the Client is responsible for preparing the SSHSS based on a Baseline Risk Assessment (BRA) that includes identifying potential hazards and risks from the Scope of Work. The Client must also ensure that the Principal Contractor allocates sufficient funds and resources for health and safety measures.
- **Principal Contractor (PC):** The PC must develop a Site-Specific Health and Safety Plan (SSHSP) based on the SSHSS. This plan should include a detailed Bills of Quantities (BOQ) for health and safety costs, which will be assessed to ensure adequate provisions are made.

Compliance and Implementation

- **Legal Compliance:** The SSHSS ensures adherence to the Occupational Health and Safety Act, Act 85 of 1993, and the Construction Regulations of 2014, among other relevant legislative requirements.
- **Health and Safety Culture:** The SSHSS promotes a positive health and safety culture by setting clear guidelines for hazard identification, risk management, and compliance.
- **Protection of All Persons:** The SSHSS also addresses the protection of persons other than those employed by the PC, as required by Section 9 of the OHS Act.

Summary

The SSHSS is a comprehensive document that integrates safety requirements into the construction project, guiding the PC in creating a detailed safety plan and ensuring that both legislative and practical health and safety needs are met. It

emphasizes the importance of ongoing updates and adherence to safety standards, aiming to minimize risks to a level as low as reasonably practicable (ALARP).

This document also specifies certain recommendations that should be followed to prioritize the health and safety of all individuals who may be potentially at risk, as well as to minimize potential risks to the environment. These recommendations should be given the same priority as other project facets such as Time, Cost, and Quality. It must be noted that this SSHSS as much as it is detailed it is not exhaustive and the onus is on the PC to ensure that he complies with Section 8 of the OHS Act, Act 85 of 1993 which reads as follows:

Sec 8(2)(d) "Establishing as far as reasonably practicable what hazards to the Health and Safety of persons are attached to any work which is performed, and he shall as far as is reasonably practicable, further establish what precautionary measures should be taken with respect to such work in order to protect the health and safety of persons, he shall provide the necessary means to apply such precautionary measures..", this means that Principal Contractors as an employer in his/her own right must at all times ensure continuous Hazard Identification and Risk Analysis (HIRA) and the implementation of appropriate risk reduction and/or elimination measures so as to strive towards the implementation and continued provision and maintenance of a healthy and safe working environment. The SSHSS is a performance specification aimed at ensuring that the Client and any persons it enters into an agreement with achieves an acceptable level of SHE performance.

5. SCOPE OF APPLICATION

This SHE Specification is exclusively applicable to the following project:

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL– NEW 28
BEDDED MALE AND FEMALE INPATIENT AND OUTPATIENT MENTAL
HEALTH UNIT WIMS: 048152**

5.1 SITE LOCATION

GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL– Address: 23A King Shaka Street, KwaDukuza/ Stanger (or Corner of King Shaka and Patterson).

Below are two google map images which illustrate where the hospital is related within KwaDukuza.

5.2. DRAFT SUMMARY SCOPE OF WORK

Construction of the GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL– NEW 28 BEDDED MALE AND FEMALE INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT

5.3 THE PROJECT TEAM

The Project Team is as follows:

<u>Initials and Surname</u>	<u>Discipline</u>	<u>Organisation</u>	<u>Cellular number</u>	<u>E-mail address</u>
Motseko Kotelo	Project Manager	DoPW	072 076 2803	motseko.kotelo@kznworks.gov.za
Sibusiso Khoza	Construction Health and Safety	DoPW	083 4085 056	sibusiso.khoza@kznworks.gov.za
Charles Taylor	Architect/Principal Agent	Charles Taylor Architects cc	082 300 9991	charles@ctab.co.za
Magdaleen Duvenhage	Structural Engineer	iX Engineering	082 4570204	magdaleen.d@ixengineers.co.za
John Bohler	Civil & Structural Engineer	iX Engineering	082 497 0419	john.b@ixengineers.co.za
Jeremiah Govender	Mechanical Engineer	Dihlase Consulting Engineers	074649 4249	jeremiah@dihlase.co.za
Ridwaan Ismael	Fire Engineer	Dihlase Consulting Engineers	072 786 4018	ridwaan@dihlase.co.za
Neil Enslin	Pr. CHSA	Master Builders KZN	0823816170	neil@masterbuilders.co.za
Richard Chitepo	Electrical Engineer	Riccon Engineering	078 894 1171	richard@ricconengineering.co.za
Jonathan Rukidi	Quantity Surveyor	Cempa Eng. Worx	082 952 6779	jonathan@cepma.co.za

6. SUMMARY OF DESIGNER RISK ASSESSMENTS

The summary is to be developed following the completion of the Baseline Risk Assessment (BRA) and to include the residual risks as they apply to the project.

ASPECTS OF THE PROJECT	RESIDUAL RISKS IDENTIFIED TO BE MANAGED
Establishment / de-establishment	Erecting of building or placement of containers, working with lifting equipment, the possibility of crushing, damage to property
Services: temporary electrical, water and sewage supplies	Use of temporary and permanent power supply to the site, use of an electrical contractor to do the permanent supply. Serious injury, electrocution, shock, Fatalities
Excavations	Note from Geotech report: • Should excavations intersect groundwater seepage then excavation sidewalls may need to be temporarily shored to engineers' detail or battered to a flatter slope than recommended above to promote stability • Workers should not enter any excavations deeper than 1,5m that is not shored or battered back.; sewer tie-ins and water, and strip foundations. Sandstone was identified as an issue in the Geotechnical Survey and shoring and dust management will be required
Working at fall-risk Positions	Extensive work in fall-risk positions for all buildings and the finishing of the structure, internally and externally. Accessing and fitting structures according to designs and finishes. Maximum working heights are expected to be approximately 20m, excluding the cranes that will be used.
Building Work	The building of the new facility requires brick structures to be erected and other structures as per the drawings. Use of temporary work, housekeeping, and repetitive work are major risks.

	-Structural & Non-Structural brickwork on the Ground Floor - Glazing - Carpentry & Joinery - Ironmongery - Plastering & Painting - Ground Floor suspended reinforced concrete slab - Ground Floor reinforced two-level concrete Roof Slab - Structural Steel roof support (plant room/services void) - Roof Sheeting/covering (plant room/services void)
Landscaping	Use of herbicides, grassing and moving of plants, trees and irrigation systems mostly at the end of the project.
Electrical work	Electrical and electronic systems for the new mental health facility will be designed as described in this document. Layout drawings and schematic diagrams will be made available during the detailed design stage detailing the following: • Solar panels • Back-up Generator. • LV power distribution. • Uninterruptible power supply (UPS). • Lighting and small power. • Security and access management systems; • Telephone and data points.
Traffic accommodation, movement of staff	It is expected that at peak, 100 workers may be on site. No transportation on open vehicles on or off-site. Mobile plant and general equipment to be managed to limit the risk of being knocked over
Civil works	Management of dust, movement of staff and equipment, piling, although limited risk due to the system to be used. Water will be brought in as no supply to site currently - Stormwater drainage system - sewer drainage system - potable water supply system - driveway layerworks - Paving , driveways & ramps

	- drystack retaining wall -Access road widening -Drystack Retaining Wall - Highway site facing
Mechanical Works	• Heating, Ventilation & Airconditioning (HVAC) System • Wet Services - Internal Domestic Water Supply • Wet Services - Hot Water Reticulation • Wet Services - Internal Sewer Reticulation • Wet Services - Fire Protection • Medical Gas supply system
Communication	Communication between all the role players, PC and their site requirements, specifically with the various PC on site. Reporting requirements will be determined at the commencement of the project.
General	• Working among other contractors and interfacing, exposure to risks created by other contractors. • Lack of supervision, competencies of SMMEs and labour. • New designs and increasing of PCs and changes to designs to be managed and include updates in the SSHSS and BRA. • Rework may be necessary, requiring the use of grinders, breakers exposure to dust, noise and working in awkward positions for extended periods • Weather, and discomfort index to be considered and addressed in emergency planning and working hours • Medical surveillance should include lung functions and audiometry screening unless evidence indicates no dust or noise exposure • Ergonomic-related risks are to be analysed, evaluated and addressed as part of the process.

7. REQUIREMENTS PERTAINING TO SITE SPECIFIC HEALTH AND SAFETY PLAN SUBMISSION

The Principal Contractor (PC) shall prepare a documented Site-Specific Health and Safety Plan (SSHSP) in accordance with CR 7(1)(a). This plan must be based on the information and requirements outlined in this specification, applicable legislative requirements, and must demonstrate how health and safety requirements will be implemented throughout the construction process. It should cover all activities on the project site, from mobilization and set-up through to close-out. The SSHSP must include all documentation required by The Act, Regulations, and this specification for evaluation and approval purposes.

The PC must refer to Annexure C of the SSHSS to familiarize themselves with the requirements concerning the contents of the SSHSP to be submitted to the Chief Health and Safety Representative (CHSR) for approval. Failure to comply with the requirements of Annexure C may result in unnecessary delays in the SSHSP approval process. The PC must retain the original SSHSP and submit a copy for evaluation and approval, which will be kept by the CHSR for filing and reference purposes.

Upon approval of the Principal Contractor's (PC) SSHSP, the Chief Health and Safety Representative (CHSR) will issue the final letter of SSHSP approval as required by CR 7(1)(a) and confirm the PC's appointment as required by CR 5(1)(k). The PC must file this letter in their Site-Specific Health and Safety File (SSHSF). Please note that construction work may not commence until the official letter issued by the CHSR is received. The PC is responsible for ensuring that adequate information and supporting documentation are submitted with their completed SSHSP.

The approved SSHSP, included in the SSHSF, as well as the SSHSS, must always be kept on site and include all documentation required by The Act and this specification. It is important to note that all subcontractors must prepare their own SSHSPs and files. These health and safety files must be approved in writing by the PC's Chief Health and Safety Officer (CHSO) as required by CR 7(1)(c)(x), and a copy must be filed in both the subcontractor's and the PC's Health and Safety Files. The subcontractor must also be appointed as per CR 7(1)(c)(v). The subcontractor's Health and Safety Files will be subject to evaluation by the CHSR during an audit, in addition to evaluation by the CHSO.

It is of the utmost importance that the PC takes note of the following when submitting his SSHSP for approval **in addition to the requirements of Annexure C:**

- Completion and submission of Annexure A "Health and Safety Declaration" to the effect that he 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.
- Two detailed Risk Assessments and Method Statements (RAMS) of two priority hazards as identified by the Risk Profile of anticipated construction activities for review by the CHSR, with evidence of the CHSO input to enable the CHSR to evaluate the Risk Assessors competency in terms of being able to conduct sufficient Risks Assessments and subsequent Method Statements.
- Valid Proof of Competencies, including CVs of Key Appointments.

9. PRINCIPAL CONTRACTORS RISK ASSESSMENTS.

The Principal Contractor must follow a formal risk-based approach to ensure hazard control measures are implemented to an acceptable reasonable practical level. The Principal Contractor and his employees shall be responsible to ensure all hazards pertaining to his scope of activity are proactively identified, the risks assessed and appropriately eliminated or minimized and managed on an ongoing basis. Risk assessments shall also identify possible and potential environmental, health and hygiene issues pertaining to each hazard with potential exposures and limits.

A detailed hazard identification and risk assessment processes must be followed for all work to be performed as well as for all associated equipment and facilities. The contractor must ensure that effective procedures and assessment systems are in place to control hazards and to mitigate risks to levels that are ALARP.

The risk assessment processes must be applied to:

- Routine and non-routine activities.
- Planned or unplanned changes.
- All employees, sub-contractors, suppliers, and visitors; and
- All infrastructure, equipment, and materials.

Ergonomic-related risks are to be analysed, evaluated and addressed as part of the process.

The risk assessment processes and methodologies must be appropriate for the nature and scale of the risks and must be implemented by competent persons.

The process of analysing and managing risk must include the following:

- Establishing the context of the risk assessment.
- Identifying hazards and determining possible risk scenarios (unwanted events).
- Evaluating risks and assigning ratings (classification).
- Recording the risk analysis in a risk register.
- Managing risks according to their classification (prioritising for action).
- Identifying and implementing control measures through the application of the Hierarchy of Risk Controls to ensure that risks are managed to levels that is as low as is reasonably practicable (ALARP).
- Developing action plans for reducing risk levels (where possible).
- Verifying the completion of actions.
- Re-evaluating the risks and classifications as appropriate; and
- Reviewing and updating the risk register.

The PC must refer to the BRA and summary of hazards and risks identified by designers when conducting his risk assessments.

Once the SSHSP of the PC has been approved where two detailed Issue Based Risk Assessments and Method Statements (SWP's) of two priority hazards as identified by the BRA Risk Profile has been approved, such approval will only be granted in terms of approved RAMS up to and including site establishment.

During the site establishment period the PC will be required to submit his construction program. Health and safety management matters must be included in the program which will form the basis for the CHSR calling for RAMS for approval purposes. RAMS for future work must be supplied via e-mail to the CHSR at least 72 hours before the anticipated activity commencement date, unless otherwise agreed, followed by a WhatsApp informing the CHSR of such e-mail.

Work may not commence pertaining to RAMS submitted for approval until such RAMS have been approved. Should the CHSO continuously submit RAMS late, it will be for the PC's account. Should the PC's CHSO persistently submit poor quality RAMS, the situation will be brought to the Project Leaders attention for intervention and engagement with the PC.

The PC must ensure that the CHSO is included in production, planning, sessions/meetings to ensure that the appropriate RAMS as required are available and completed timeously. Under no circumstances may a CHSO perform a risk assessment in isolation. The active participation of all relevant role-players is mandatory.

A Risk Assessment must be followed by a Method Statement (SWMS/SWP) which describes in detail how the job or task is to be performed in a logical, sequential manner. RAMS must be a "Team" effort, Site Management Representatives, Supervisory Personnel, Technical Experts, and workers must be part of the RAMS process.

RAMS must be reviewed as a minimum on an annual basis, when changes are made to work methods statements and following an incident.

Risk Assessment

i) Hazard Identification and Risk Assessment (Construction Regulation 9)

The Principal Contractor shall, before the commencement of any construction work or work associated with the aforesaid construction work and during such work, conduct a risk assessment by a competent person, appointed in writing and the risk assessment so produced shall form part of the OH&S Plan and be implemented and maintained as contemplated in Construction Regulation 9(1). Competence is a factor of training, knowledge, experience and/or appropriate qualifications.

The risk assessment shall include, as far as is reasonably practicable, at least:

- The task or task step
- the identification of the risks and hazards to which persons may be exposed during the task or task step.
- The analysis and evaluation of the risks and hazards identified, inclusive of a residual risk rating methodology. The method to be used is not prescribed.
- a documented plan of safe work procedures, to mitigate, reduce or control those residual risks that have been identified as unacceptably high, by means of the rating system.
- a monitoring plans.
- a review plan, inclusive of dates to be adhered to; and
- Ergonomic related risks are to be analyzed, evaluated, and addressed as part of the process.

Based on the risk assessments, The Principal Contractor shall develop a set of site-specific OH&S rules that shall be applied to regulate the OH&S aspects of the construction. The risk assessments, together with the site-specific OH&S rules shall be submitted to the Employer before construction on site commences. SANRAL has conducted a Baseline Risk Assessment, which must be used by The Principal Contractor to develop task specific risk assessments before work commences. This does not mean that all possible Risk Assessments must be attended to before work commences, but that all relevant Risk Assessments receive the necessary attention as the contract progresses, and this is the responsibility of The Principal Contractor.

All variations to the scope of work shall similarly be subjected to a risk assessment process.

ii) Risk Assessment Monitoring

The Principal Contractor shall ensure that a monitoring plan for all risk assessments are in place. Risk assessments must be monitored to ensure effectiveness and employee understanding. The monitoring of risk assessments shall be formal, and records thereof shall be available for audit purposes.

iii) Review of Risk Assessment

The Principal Contractor shall review the hazard identification, risk assessments and standard safe working procedures prior to any work activity commencement and at each production planning and progress report meeting as the contract work develops and progresses and each time changes are made to the designs, plans and

construction methods and processes. The Principal Contractor shall provide the Employer, Sub-contractors, and all other concerned parties with copies of any changes, alterations or amendments as contemplated above.

Activities carried out without conducting a risk assessment or found to be non-compliant with the risk assessment, will be stopped until such time a risk assessment is compiled, and work is carried out according to the risk assessment.

Risk assessments must be fully communicated to all relevant personnel and must be considered when establishing training, awareness, and competency requirements.

Baseline Risk Assessment

The Department of Public Works (DOPW) has prepared a Baseline Risk Assessment (BRA) from which the Health and Safety Specifications for this project were developed. The BRA highlights all the work for which the Principal Contractor must prepare safe work procedures and/or work method statements. It should be noted that the BRA is not exhaustive, and the Principal Contractor is required to identify additional risks and implement control measures. These must be addressed by the Principal Contractor when preparing the Task-Based Risk Assessments. During the briefing, the Client will inform tenderers about the hazards and risks associated with the anticipated construction work.

The Baseline Risk Assessment for this project can be found in the annexure to this document.

c) Continuous Risk Assessment

The Principal Contractor shall continuously assess the risks associated with the activities being carried out. Risk assessments must be documented in writing, be site-specific, and be reviewed regularly to ensure they remain current and address all relevant hazards and risks associated with the specific activity at the site.

The risk assessment must be discussed with the entire work crew before the activity begins. The work crew must provide written acknowledgment that they have discussed the risk assessment and understand its contents. This acknowledgment must be maintained on site and be available to the Client or its Agent for audit purposes.

10. Construction Permit.

The Construction Work Permit (CWP) number will be done by the Client CHSA, as required in the CRs. A copy of the CWP will be provided to the PC, and must be placed visibly on the site, and reflected in all further SSHSSs used among Contractors.

10. SITE-SPECIFIC OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT (IN ALPHABETICAL ORDER)	
10.1.	Accident, Incident Investigation.
10.2.	Alcohol and Drugs.
10.3.	Appointments.
10.4.	Asbestos.
10.5.	Consultation, Communication and Liaison
10.6.	Close-out requirements.
10.7.	COIDA.
10.8.	Competency and Training
10.9.	Confined Space Work.
10.10.	Construction Supervision.
10.11.	Conveyors.
10.12.	Cranes, Cradles and Man Cages.
10.13.	Defects Reporting and Correction.
10.14.	Demolition.
10.15.	Delivery and Placement of Containers, Park Homes etc.
10.16.	DSTI's.
10.17.	Electrical Connections.
10.18.	Emergency Drills and Evacuation Procedures.
10.19.	Environmental Management Plan.
10.20.	Edge Protection.
10.21.	Excavations.
10.22.	Explosive Actuated Fastening Devices.
10.23.	Extreme Weather Conditions.

10.24.	Fall Prevention Plan and Planning.
10.25.	First Aid Boxes and Equipment.
10.26.	Fire Extinguishers, Precautions and Fighting.
10.27.	Fuel and Flammable Liquids.
10.28.	General Record Keeping.
10.29.	Hand Tools.
10.30.	Hazardous Chemical Substances
10.31.	Hazard Identification and Risk Analysis (HIRA).
10.32.	Hazards and Potentially Hazardous Situations.
10.33.	Health and Safety Audits, Monitoring, Reporting and Statistics.
10.34.	Health and Safety Disciplinary Procedure.
10.35.	Health and Safety Management Notice Board.
10.36.	Health and Safety Organogram.
10.37.	Health and Safety Plan Submission.
10.38.	Health and Safety Policy.
10.39.	Health and Safety Training.
10.40.	Heat Stress and Sun Protection.
10.41.	High Voltage Equipment and Installations.
10.42.	Housekeeping.
10.43.	Incident and Injury Management.
10.44.	Induction Training
10.45.	Ladders, Portable.
10.46.	Lighting.
10.47.	Lifting Machines and Tackle.
10.48.	Manual Handling of Materials.
10.49.	Maintenance.
10.50.	Medical Fitness / Fitness to work
10.51.	Method Statements, Safety (SMS)(SWP'S)

10.52.	Noise.
10.53.	Notices.
10.54.	Notification of Construction Work/Construction Permit
10.55.	Occupational Hygiene (Personal Hygiene and Infectious Diseases).
10.56.	Permits to Work
10.57.	Personal Protective Equipment. (PPE)
10.58.	Plant and Machinery.
10.59.	Planned Task Observations
10.60.	Pneumatically Powered Tools and Equipment.
10.61.	Portable Electrical Tools.
10.62.	Public Safety and Security.
10.63.	Risk Assessment of Plant and Equipment.
10.64.	Roof Work.
10.65.	Safety Meetings: Pre- Start, Review etc.
10.66.	Safety, Health and Environmental Representatives and Committee's.
10.67.	Safety Officer (CHSO), Roles and Responsibilities.
10.68.	Signage.
10.69.	Site Clearance.
10.70.	Site Establishment
10.71.	Site Layout Plan.
10.72.	Site Specific Safety Rules.
10.73.	Smoking on Site.
10.74.	Speed restrictions and Protections.
10.75.	Stacking and Storage of materials.
10.76.	Structures and Temporary Works.
10.77.	Sub-Contractors.
10.78.	Transportation of Workers.
10.79.	Trespassing.

10.80	Toolbox Talks
10.81.	Vehicles and Traffic Management.
10.82.	Ventilation.
10.83.	Vibration.
10.84.	Visitors to Site.
10.85.	Waste Management.
10.86.	Water Management.
10.87.	Welding, Grinding, Cutting etc.
10.88.	Welfare Facilities.
10.89.	Working at Heights.

LISTED BELOW PLEASE FIND SITE SPECIFIC OCCUPATIONAL HEALTH AND SAFETY STIPULATIONS IN ALPHABETICAL ORDER. IT MUST BE NOTED THAT SOME ITEMS MAY BE OF MORE DETAIL THAN OTHERS, THE REASON BEING THAT DUE TO THE LEVEL OF RISK ASSOCIATED WITH THESE ITEMS THAT MORE DETAILED INFORMATION IS NEEDED TO BE BROUGHT TO THE PC'S ATTENTION, BUT THIS MUST NOT BE SEEN AS AN INDICATOR THAT OTHER ITEMS ARE OF LESS IMPORTANCE.

10.1.	Accident, Incident Investigations
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Accident/Incident Reporting and Investigation Protocol

1. Coordination of Investigation:

- The Principal Contractor and their Contractors are required to coordinate in investigating all accidents/incidents where injuries necessitate medical treatment by a doctor, hospital, or clinic.
- The findings of these investigations must be documented in an accident/incident register. This register must be updated with each new accident/incident.

2. Notification:

- The Principal Contractor must inform the relevant DOPW Project Manager and/or DOPW OHS Specialist in writing about any accident/incident within their area of responsibility as soon as possible.

3. Legal Reporting Requirements:

- While the accident/incident must be reported to the Client, the Principal Contractor is legally obligated to report any Section 24 accidents/incidents to the Department of Labour.
- Any road traffic accidents must be reported to the relevant authorities.

Corrective and Preventative Action Protocol

1. Action Demonstration:

- The Principal Contractor must show that corrective and preventative actions have been taken to prevent similar incidents in the future.

- o These actions must be communicated to all affected staff.
- 2. **Documentation and Communication:**
 - o A copy of the following must be forwarded to the DOPW Project Manager and/or the DOPW OHS Specialist:
 - The investigation report.
 - Details of the corrective and preventative actions taken.
 - The attendance register of employees who participated in the discussion of the incident and the implemented actions.

Investigations must be completed for:

- Near Miss Incidents (To prevent it from becoming an incident)
- First Aid case Incidents
- Medical treatment case Incidents
- Fatalities

Incident Reporting Protocol

1. **Statutory Reporting:**
 - o The Principal Contractor must provide the Employer with copies of all statutory reports required by the Act within 7 days of the incident.
2. **Disabling Injury Frequency Ratio (DIFR):**
 - o The Principal Contractor must update the Disabling Injury Frequency Ratio (DIFR) monthly and display this information on a signboard at the site office.
3. **Health & Safety Statistics:**
 - o The Principal Contractor is responsible for collecting, recording, calculating, and reporting Health & Safety statistics for both their operations and those of their subcontractors to the DOPW OHS Specialist.
4. **Reporting Specific Incidents:**
 - o All incidents where an employee:
 - Dies,
 - Becomes unconscious,
 - Loses a limb or part of a limb,
 - Is injured or ill to the extent that they are likely to die, suffer a permanent physical defect, or be unable to work for at least 14 days,
 - Or where:
 - A major incident occurred,
 - Health or safety of any person was endangered,
 - A dangerous substance was spilled,
 - There was an uncontrolled release of any substance under pressure,
 - Machinery or parts of machinery fractured or failed causing flying, falling, or uncontrolled moving objects,
 - Machinery ran out of control,
 - o Must be reported to the Client within 2 calendar days and to the Provincial Director of the Department of Employment and Labour within 7 calendar days of the incident (as per Section 24 of the OHSACT and General Administrative Regulation 8).
5. **Immediate Reporting for Severe Incidents:**

- For incidents where there is a death, unconsciousness, or loss of a limb, or if there is a potential for death or permanent physical defect, the incident must be reported immediately (by telephone, fax, or email) to both the Client and the Provincial Director of the Department of Employment and Labour.

6. Ongoing Reporting:

- All other reports must be completed and submitted as required.

The statistics should contain at least the following for all employees of all contractors working on the project:

- Total Number of workers
- Total Number of hours worked (on the DOPW project)
- Total Number of Near Miss Incidents
- Total Number of First Aid case Incidents
- Total Number of Medical Treatment case Incidents (Excluding Section 24 type incidents)
- Total Number of Section 24 type Incidents
- Preventative actions taken on incidents that have occurred
- Communication to employees and contractors of incidents and preventative actions

10.2.	Alcohol and Drugs
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Compliance with General Safety Regulations, Section 2A

The site limit for intoxication is set to zero to align with a zero-tolerance policy. To support this, the Principal Contractor must have a Drug, Alcohol, and Disciplinary Policy in place to manage such instances.

Any person found to be intoxicated or consuming intoxicating liquor or illegal drugs will not be allowed on the premises and/or will be removed from the premises.

The Principal Contractor has the right to test any person entering the premises for intoxicating liquor or illegal drugs and may refuse entry based on the results of the test.

The Principal Contractor must ensure that employees taking prescription medicine inform the Principal Contractor of such use. Additionally, the Principal Contractor must ensure that the side effects of the prescription medicine do not pose a hazard to the employee themselves or to others working in close proximity.

10.3.	Appointments
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The Principal Contractor (PC) is responsible for making appointments in accordance with the Act and its Regulations, structured and guided by the scope of work and associated risks. The PC should refer to Annexure C for a list of appointments applicable to the Safety Management Structure.

All health and safety appointments must be documented in writing and recorded in the Site Safety, Health, and Environmental File (SSHSF). Previous appointments that have lapsed or new appointments must be retained in the SSHSF; expired appointments may not be discarded or destroyed.

All Safety, Health, and Environmental (SHE) appointments must be indicated on the Site SHE Organogram, which should be regularly updated, filed in the SSHSF, and displayed in the Site Office.

The PC may allocate multiple appointments to certain staff members, provided this does not negatively impact health and safety standards. However, the Construction Health and Safety Representative (CHSR) reserves the right to specify otherwise if it is determined that such allocations may affect health and safety standards.

10.4.	Asbestos
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The PC must ensure that Asbestos demolition and removal complies with Asbestos Abatement Regulations of 2022. Note must be taken of the following:

- The works type 1 asbestos work and asbestos removed will be less than 10 square metres
- No employer, self-employed person or asbestos client may carry out any type 1 asbestos work unless the Chief Director: Provincial Operations has been notified in writing of the location, venue and contact details of where the asbestos work will be done, at least seven days prior to commencement of such work.
- Asbestos must be removed using a suitable, sufficient Wet Method, to ensure effective suppression of dust preventing it from becoming airborne. No grinding or intentional breaking of asbestos-containing material is permitted.
- The approved and signed plan must be submitted to DEL prior to asbestos removal being conducted.
- During the asbestos removal process, the approved plan must be fully implemented and adhered to on site.
- Asbestos removal may only start after notification has been done to the AIA and the CHSA/CHSR of the intended asbestos removal date at least 72 hours before stripping starts.
- The CHSO must complete the Asbestos Removal Checklist, Annexure F, item 12.6.2 sign it, have it signed by the CR8(1) or CR 8 (7) appointee and forward it to the CHSA and CHSR within 24 hours should the CHSA/CHSR not be present at the time of asbestos removal starting.
- Normal construction work may only proceed after asbestos removal in the previously designated asbestos zone upon written permission being obtained from the AIA.
- Stripped asbestos must be placed in an enclosed skip or container, no storage on the ground or other areas permitted.
- Disposal certificates must be obtained with 14 days of disposal and kept on the SSHSF.

10.5	Consultation, Communication and Liaison
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Occupational Health and Safety (OH&S) liaison between the Employer, the Principal Contractor, the Contractors, the Designer, and other concerned parties will be managed through the OH&S committee. Additionally, communication may occur directly with the Employer or their appointed Agent, either verbally or in writing, as needed.

Consultation with the workforce on OH&S matters will be facilitated through their Construction Managers and Supervisors, OH&S representatives, and the OH&S committee. The Principal Contractor is responsible for disseminating all relevant OH&S information to the Contractors. This includes design changes agreed upon with the Employer and the Designer, instructions from the Employer and/or their Agent, exchanges of information between Subcontractors, and reporting of hazardous or dangerous conditions.

The Principal Contractor's most senior manager on site is required to attend all OH&S meetings.

10.6.	Close-out
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In accordance with CR7(1)(e) and CR7(2)(b), the Principal Contractor (PC) must hand over a consolidated Safety, Health, and Environmental (SHE) File to the Client when construction work ceases, and the site is returned to the Client. Subcontractors appointed by the PC are also required to provide a similar SHE File to the PC upon completing their work and exiting the site. It is the responsibility of the PC to allocate sufficient time to ensure that the files are correct and approved by the Construction Health and Safety Representative (CHSR) before leaving the site.

The following list is an example of what should be included in the close-out files, but it is not exhaustive. The CHSR may request additional information at the time of project completion, and the PC must ensure that all such instructions are followed. All records from the start of the project must be included. Daily or monthly inspection records are not required unless they pertain to an accident. All records must be in electronic format and submitted to the CHSR in adequately formatted lists and folders. The layout should be logical and mirror the order used in the site files. Upon final approval of the files by the CHSR, two hard copies of the electronic files must be provided to the CHSR, unless otherwise directed by the CHSR.

Health and Safety close out file requirements.

PC File to include the following:

- Copy of Notification of Construction Work/Construction Permit, stamped by DOL.
- Client SHE Specification.
- Principal Contractor's SHE Plan.
- Client Letter of SHE Plan Approval.
- Organograms (Original and amended.)
- List of SHE Legal Appointments (Originals and amended).
- List of all employees employed on a permanent or contractual basis over the duration of the contract, PPE receipt records.
- Medical Fitness Certificates for all employees.

- Letters of Good Standing for the Project.
- Incident/ Accident Records.
- NCR's.
- CHSR Health and Safety Audits.
- Risk Assessments.
- Method Statements.
- Safe Work Procedures etc.
- List of all Sub Contractors.

Sub-Contractor Files to include the following:

- SHE Plan.
- SHE Plan Approval letter issued by the PC.
- Organogram/s (Original and amended).
- List of SHE Appointments (Original and Amended).
- All employees employed on a permanent or contractual basis over the duration of the contract receipt records.
- Medical Certificates of Fitness for all employees.
- PC and own audits.
- Mandatory Agreements (if applicable).
- Risk Assessments.
- Method Statements.
- Safe Work Procedures
- Letters of Good Standing.
- Incident Records.
- Non-Conformance records.

PC to include in its SHE File the following documentation if not being attended to by other discipline of PSP Team:

- All drawings for temporary structures (suspended beams etc.).
- All operating manuals for any systems that require on-going maintenance, and
- Copies of test results, policies, and procedures for environmental monitoring (silica, noise, dusts etc.).

Defect and Liability Period

The H&S files must be kept 'live' for the defect and liability period by the Principal Contractor, including those of their Subcontractors. Any work required during the defect and liability period will require an assessment of the H&S file by the PC's CHSO prior to any work commencing.

10.7.	COIDA
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The Principal Contractor shall ensure that his employees are covered for any occupational injuries and illnesses in terms of the Compensation for Occupational Injuries and Diseases Amendment Act, 2022, which cover shall remain in place

and up to date for the duration of the project. No Contractor may work under the Principal Contractors Compensation registration number.

If required, the Principal Contractor may assist an SMME 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.

10.8.	Competence and Training
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The Chief Executive Officer (CEO) of the Principal Contractor (PC) is overall responsible for appointing competent Construction Managers and site staff for the duration of the project, unless this responsibility has been delegated to the Section 16.2 Appointee. All legal appointments must be made relevant to the type of work performed and kept current with the project schedule. The PC, all contract employees, and their supervisors must possess the required qualifications or licenses for the activities they are assigned.

Health and Safety Competencies Required for Specific Appointments:

- **Section 16.2 and CR 8.1:** Supervisors must complete a Safety Course (IRCON) or equivalent and a Legal Liability Course.
- **Safety Officer:** Must have SAMTRAC / LexisNexis 3-week SHE Management Course / NEBOSH or equivalent, and SACPCMP CHSO Registration with relevant experience.
- **Safety Representatives:** Must complete a SAQA Accredited SHE Representative Training Course.
- **Risk Assessor:** Must have SAMTRAC / LexisNexis 3-week SHE Management Course / NEBOSH or SAQA Accredited Risk Assessor Course.
- **First Aider:** Must have a SAQA Accredited Level 2 First Aid Course.

For operations such as Crane Operations, Rigging, Scaffold Erecting, and Inspecting, all operators must have proof of qualifications in compliance with legislation, the National Qualifications Framework, Act No. 67 of 2000, or similar industry standards where legislation does not prescribe specific training. It is important that training course providers are accredited.

Training must be provided to all employees, including subcontractor employees, to equip them with the necessary knowledge, skills, and understanding of hazards, risks, and mitigating measures, enabling them to perform their duties as safely as reasonably practicable.

Specific competency profiles and selection criteria (fitness for work) must be developed for all roles where significant health or safety risks exist. A formal training needs analysis should be conducted based on these competency profiles, and a training matrix must be developed for the project. Competency-based training must include operational controls (procedures and work instructions), management of change, and emergency response. All employees must hold and maintain the required competencies, including appropriate qualifications, certificates, and licenses, and be under competent supervision.

A site-specific induction and orientation program must be established to highlight health and safety requirements, procedures, significant hazards, risks, and associated control measures for all new employees and visitors. Personnel must be trained on new or amended standards, rules, Safe Work Method Statements (SWMS), Risk Assessments, etc. Refresher training must be conducted as needed, for example, if employees are found disregarding rules. Records of training, qualifications, and experience must be maintained. Follow-ups must be conducted to evaluate the effectiveness of the training provided.

10.9.**Confined space work**

The PC must comply with the OHS Act, General Safety Regulation 5

Detailed RAMS must be conducted, SWMS /SWP's must be developed and communicated in writing to persons designated to perform work in confined spaces. Confined space entry work requires the issue of a Confined Space Entry Permit which has been issued by an authorized competent person.

Responsibility for safe work procedures from entering, whilst working in the confined space, and including exiting the confined space is the responsibility of the Contractor. The Contractor must ensure that all measures have been implemented to address hazards and their associated risks to a level which is ALARP.

The Contractor is responsible for the provision and correct use of all of all required tools and equipment required to conduct the work in the confined spaces, e.g. Tripods, Testing Equipment, Signage, Communication Equipment etc.

10.10.**Construction Supervision**

As indicated previously, the Chief Executive Officer (CEO) of the Principal Contractor (PC) will be overall responsible for appointing competent Construction Managers and site staff for the duration of the project. These appointments will have various supervisory responsibilities to ensure the provision of a safe working environment. The PC should refer to Annexure C to determine the required supervisory appointments, considering the scope of work, legislative requirements, and the timing of these appointments. The construction team must ensure that the appointed Construction Health and Safety Officer (CHSO) is kept informed of all planned activities to meet all Health and Safety (H&S) requirements.

Competent supervisors will be appointed to manage parts or all of the works and must have appropriate training and/or experience in their areas of responsibility. All site supervisors must provide evidence of adequate H&S training and demonstrate understanding or training in relevant areas (e.g., risk assessments, method statements).

Curriculum Vitae (CVs) for the supervisors must be submitted to the Client for approval. Supervisors will be held responsible for the safety of their teams and subordinates, as well as for housekeeping and the stacking and storage of materials. Competencies related to working with electricity, pressure equipment, and other specialized areas must be included and clearly identified on the project Organogram. Each supervisor must facilitate Daily Site Task Instructions (DSTIs).

The PC must employ a minimum of one competent, full-time CHSO for the duration of the contract or specific areas of work (e.g., North or South building, specialized work areas). The PC and CHSOs must ensure effective communication between all contractors and the Client, ensuring that all Contractors adhere to appropriate safety standards based on the level and risk of the work. The PC will determine the necessity for Subcontractors to have their own CHSOs, depending on the risk and complexity of their tasks. Minimum statutory compliance for CHSOs will apply.

CHSO CVs must be submitted to the Client for approval before site establishment, including verification or proof of registration with the South African Council for the Construction and Project Management Professions (SACPCMP).

The PC must ensure that adequate resources are provided to fulfill all site responsibilities (e.g., mobile phone, computer and internet access, vehicle). CHSOs must meet SACPCMP qualification requirements and have a minimum of 5 years of experience with similar types of projects. More than one CHSO may be appointed if necessary.

10.11.**Conveyors**

The PC must ensure that no person attempts to cross / climb over or under any conveyor. Instead, a safe passageway, a crossover or an underpass fitted with safeguards must be used.

No person may climb onto, sit on, stand on, or walk on a conveyor at any time. Riding a conveyor belt is strictly forbidden.

All stop/start devices must be easily accessible, functioning and clearly marked. Areas around conveyor belts must be kept clean. No person may operate a conveyor other than trained, competent and appointed conveyor operators.

Only authorised maintenance personal is permitted to work on conveyors and only if all energy sources have been effectively isolated and locked.

Working on an operational conveyor is strictly prohibited.

10.12.**Cranes, Cradles and Man Cages**

The Principal Contractor (PC) must implement and ensure compliance with the Occupational Health and Safety (OH&S) Act - Driven Machinery Regulation 2015, Section 18(8), General Safety Regulation 13C, and Lift, Escalator, and Passenger Conveyor Regulations. Special attention must be given to the requirement that no user of machinery may require or permit any person to be moved or supported by a lifting machine fitted with a cradle (man-cage) unless it has been approved for that purpose by an Inspector from the local Department of Employment and Labour (DEL).

If the use of such equipment is necessary for reaching otherwise inaccessible places, the PC must inform the Construction Health and Safety Officer (CHSO) of the equipment required and obtain a certificate of approval from the Chief Inspector at DEL.

The PC must ensure that every man-cage or similar device is securely suspended and constructed to prevent any occupant from falling. Each employee within the cradle must wear an approved safety harness and be attached by a lifeline or sling to an anchorage point that does not form part of the cradle. Employees must not be permitted to climb onto rails or any other part of the equipment to extend their reach. The man-cage must be correctly positioned to allow workers to reach the required areas to perform their tasks. Appropriate means of communication, such as two-way radios, must be provided to ensure effective communication with workers inside the cradle.

The PC must ensure that all equipment is inspected before use, that the permissible workload is clearly displayed, that load test certificates are available, and that the equipment is operated by trained and competent operators.

10.13.	Defects reporting and correction
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The purpose of any inspection is to determine deviations in need of remedial action. Where defects are identified during any routine inspection, pre-start check or during operation or use of any tools, equipment, motor vehicle, tools, or equipment, etc. it needs to be reported immediately.

Steps need to be taken to remedy such defects reported for the purpose of repairing such tools, equipment, etc. Where such remedial action cannot be actioned, immediate measures such as the fitting of Tags, taking out of service etc. needs to be applied to limit further use until repairs/replacements have been completed and re-inspection carried out. Such defect reports must be done in writing.

10.14.	Demolition
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The PC needs to ensure compliance with OHS Act, Sec 8 and CR 14.

A detailed Structural Engineering Survey needs to be carried out before demolition work takes place and a Demolition Method Statement must be developed based on the structural engineering survey and include:

- Scope of Work.
- Termination of services requirements.
- Construction vehicles and plant and equipment to be used.
- Personnel Involved.
- Procedural steps to be followed.
- PPE Requirements.
- Signage requirements.
- SHE measures to be applied.
- Waste Management and housekeeping measures to be applied.
- Emergency Procedures applicable.
- Training to be rendered.

The Proposed Demolition Plan must be signed off by the Structural Engineer and the CHSR **PRIOR** to Demolition Work being conducted.

10.15.	Delivery and Placing of Containers. Park homes etc.
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The PC must ensure compliance with OHS Act, Sec 8 and Cr 22. The items must be placed according to the predetermined positions indicated on the Site layout Diagram. Soil conditions, overhead hazards etc need to be taken into consideration when doing Risk Assessments and developing the required method statements. Only trained competent workers and supervisors may be used to execute and supervise the work operations.

10.16.	DSTI's
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The Daily Safe Task Instruction (DSTI) is a critical component of the risk management process. No work may be conducted on site without a valid DSTI signed off by the relevant signatories. Supervisors must be competent in completing DSTIs correctly, and the work area must be inspected at the end of each shift.

A DSTI involves a pre-start discussion among the members of a work team, led by the appointed supervisor. This discussion aims to anticipate hazards and potential risks associated with the activities planned for the day or shift, and to ensure that the necessary control measures are in place to prevent incidents.

At the start of each day or shift, prior to beginning any work, each appointed supervisor must inspect the work area under their responsibility to ensure it is safe. The supervisor must then conduct a DSTI with the work team, focusing specifically on the tasks planned for the day or shift. The relevant Safe Work Method Statements (SWMS) or Safe Work Procedures (SWPs) for the activity must be used as the basis for this discussion. The correct work method must be reiterated, and identified hazards, risks, and control measures must be discussed with the team, allowing team members to contribute to the discussion.

Any team member arriving late must first be briefed on the information discussed prior to their arrival before being permitted to start work. If there are changes to the work method or scope after activities have begun, the DSTI must be revisited and updated with the team, and the changes must be signed off by the relevant Construction Health and Safety Officer (CHSO).

Every member of the work team must sign the DSTI attendance register. Attendance records must be kept and maintained in the contractor's Site Safety, Health, and Environmental File (SSHEF).

10.17.	Electrical connections/equipment
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The Principal Contractor (PC) must implement and comply with the Occupational Health and Safety (OH&S) Act, Electrical Installation Regulations, and Construction Regulation 24. All electrical installations must be carried out by a qualified and certified Electrical Installation Electrician. A Certificate of Compliance (COC) must be issued and kept in the Site Safety, Health, and Environmental File (SSHEF). Temporary electrical installations must be inspected weekly, and these inspections must be recorded in an appropriate register, which must also be kept in the SSHEF.

Compliance with Construction Regulations, Section 24:

The Principal Contractor shall take adequate steps to identify and guard against dangers to workers from electrical cables or apparatus present on, under, or over the site.

- **Underground Electrical Cables:** The exact location of underground electric power cables must be determined before using excavators for excavation purposes.
- **Overhead Electrical Cables:** The location of overhead electrical cables must be assessed when working with cranes and lifting equipment. Injuries may occur from touching electrical cables with the crane boom or from arcing if the crane boom comes too close to the cables.

All temporary electrical installations must be inspected at least once a week by a competent person, and the records of these inspections must be maintained in a register kept on site. Electrical machinery and extension cords must be in serviceable condition and inspected daily before use on the construction site by the authorized operator. The inspection checklist must be kept on the construction site.

Compliance with Electrical Installation Regulations:

- All electrical installations must be inspected and approved by an accredited electrical inspector, and a valid Certificate of Compliance must be issued for the installation.

- All electrical installations carried out on site (both permanent and temporary) must comply with the Electrical Installation Regulations. All power supplies and generating units must be fitted with a functional earth.

10.18.	Emergency drills and evacuations and Procedures
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The PC must develop, implement, test, and maintain an Emergency Response Plan, incorporating emergency evacuation procedures that focuses specifically on the contractor's team and work activities. The plan must be risk-based and must detail the procedures that must be followed when responding to all potential emergency scenarios such as a medical emergency including first aid response, a fire, an explosion, a hazardous substance spill, rescue from height, rescue from a confined space, etc.

Consideration must be given to the procedures of other occupants on the premises and their emergency procedures to ensure that in the event of an emergency that the PC's Emergency procedure does not hinder or clash with their procedures. Details of any arrangements with external emergency response service providers must be included.

The plan must be adequately resourced to ensure effective implementation. These resources must include appropriate personnel, external emergency response service providers, emergency response equipment, and warning devices. All equipment and warning devices must be identified, maintained, and tested to always ensure availability.

An Emergency Response Team (ERT) responsible for the implementation, management and execution of the Emergency Response Plan must be established. The roles and responsibilities of each team member must be clearly defined in the plan. Each team member must receive appropriate training to ensure that each role is performed competently.

The process for managing incident communication, notification, and reporting must be incorporated into the Emergency Response Plan. The responsible person(s) must be clearly identified, and the protocols for communicating with internal and external stakeholders must be defined.

At project work site:

- A suitable evacuation alarm (siren) must be provided. All persons working in an area where an evacuation alarm is sounded must respond to it immediately.
- Suitable fire-fighting equipment must be provided and maintained, and personnel must be trained in fire-fighting procedures and the use of fire-fighting equipment.
- Suitable first aid equipment and supplies must be provided and maintained, and an adequate number of appropriately trained First Aiders with kits must be in place.
- Emergency assembly points positioned in safe locations away from containers, plant and equipment must be designated and conspicuously signposted. In the event of an evacuation, all persons, personnel, and visitors, must assemble and be accounted for at these emergency assembly points.
- All personnel must receive awareness training on the applicable emergency response procedures, and all visitors entering the site must be properly instructed in these procedures as part of their induction training.
- The emergency response procedures must be displayed on notice boards.
- A Site Layout Plan indicating evacuation routes, emergency assembly point locations, and the positioning of emergency equipment (fire extinguishers, first aid boxes, etc.) must be prominently displayed in all offices, boardrooms, notice boards, and in other locations on the site as may be required.

- An up-to-date list of emergency telephone numbers must be compiled and maintained. A copy of this list must be posted at each site entrance, in each office, and notice board.
- Emergency response drills must be conducted to test the effectiveness of the emergency procedures and equipment, as well as the knowledge and proficiency of the response personnel. Where appropriate, drills must include liaison with and the involvement of external emergency response service providers. A variety of emergency scenarios must be tested including, but not limited to, medical emergencies, fires, rescues, and hazardous substance spills. A drill must be carried out one month after site establishment and six-monthly thereafter. Each drill must be monitored, and the outcomes (highlights and shortcomings) must be documented. Corrective actions must be identified and implemented to address the shortcomings, and the Emergency Response Plan and associated procedures must be amended as required.

10.19.	Environmental Management
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The PC must take all precautionary steps to prevent any pollution because of his activities. Matters such as waste disposal, cement run-off, not permitting vehicles leaking oil and fuel on site, not permitting disposal of water used for cleaning paintbrushes into normal wastewater disposal lines, not permitting the burning of materials etc must be addressed in his Environmental Management Plan.

Workers must be familiarised with the contents of the Environmental Management Plan as part of the Induction. The PC's Environmental Management Plan must be submitted with his SSHSP for approval.

10.20.	Edge Protection
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Persons falling over open edges can result in severe injuries. The Principal Contractor's responsible person must ensure that edge protection is included in the Fall Protection Plan. Edge protection must be capable of withstanding the load imposed by an average worker's weight if the worker leans against it. All edges that pose a fall risk to individuals must be protected. Barricading tape or snow netting are not considered suitable edge protection and may only be used to highlight such edges.

Activities that may create temporary open edges, such as the removal of drain covers, must always be supervised while the edges are open or be cordoned off with temporary, suitable barricading.

10.21.	Excavations
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The PC must implement and comply with Construction Regulation 13 OH&S Act - General Safety Regulation 13. All excavation work must be conducted under the Supervision of an appointed competent person. Excavations must be fitted with barricading which will be able to withstand the load of the weight of an average worker should he lean or accidentally fall against such barricading. Barricading must be constructed to provide access points for workers to enter and exit and the removal of excavated material without leaving other sections of the excavation exposed.

When excavations are necessary across roadways or pathways where necessary, "Detour" notices and detour routes must be provided. Should such Detours have a negative impact on other occupants of the premises the execution of the excavations plus the implementation of detour routes must be communicated to the responsible person for the other occupants of the premises at least 7 working days prior to such excavation work taking place.

Warning signs and flashing warning lights at night must be provided in suitable positions to warn any persons approaching the area of the location and extent of any excavation should such excavations be accessible by other occupants or members of the public. Where the possibility exists of unknown hidden services where excavations are conducted, such risks must be communicated and the required risk reduction measures implemented such as the digging of pilot holes, use of detection equipment and insulated tools.

All excavations must be on register, inspected daily before commencement of work, after inclement weather, certified safe, and recorded accordingly in the appropriate register. No loose material may be stored within 1 meter from the edge of the excavation and more than 45 degrees to the angle of repose.

Note from Geotech report:

- Should excavations intersect groundwater seepage then excavation sidewalls may need to be temporarily shore to engineers' detail or battered to a flatter slope than recommended above to promote stability
- Workers should not enter any excavations deeper than 1,5m that is not shored or battered back.

10.22.	Explosive Actuated Fastening Devices
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The PC must implement and comply with Construction Regulation 21. The PC shall not use or permit the use of an explosive actuated fastening device, unless-

- It is provided with a protective guard around the muzzle end, which effectively confines any flying fragments or particles.
- The firing mechanism is so designed that the explosive actuated fastening device will not function unless it is held against the surface with a force of at least twice its weight; and the angle of inclination of the barrel to the work surface is not more than 15 degrees from a right angle, unless the energy of the cartridge is transmitted to the bolts, nails or similar relevant objects by means of an intermediate piston which has a limited distance of travel.
- Only cartridges suited for the explosive actuated fastening device and the work to be performed are used.
- The explosive actuated fastening device is cleaned and examined daily before use and as often as may be necessary for its safe operation by a competent person who has been appointed and certified as being competent.
- The safety devices are confirmed to be in proper working order prior to use.
- When not in use, the explosive actuated fastening device and the cartridges are locked up in a safe place, which is inaccessible to unauthorised persons and adequate control is exercised over the keys and storage area.
- The explosive actuated fastening device is not stored in a loaded condition.
- A warning notice or warning notices are displayed if more than one entrance gives access to a place where the explosive power tool is utilised.
- The issuing, collection and recording in a register of cartridges and nails, used and unused are controlled and done in writing by a competent person who has been appointed in writing.
- Every person using an explosive actuated fastening device has been trained in the operation, maintenance and safety requirements of the equipment and provided with the required PPE.

10.23.**Extreme weather conditions**

Adverse weather conditions, such as high winds, lightning, flooding, and others, can pose significant risks to both life and property. To mitigate these risks, the Principal Contractor (PC) must develop an Emergency Plan that outlines specific measures to address the potential impacts of such conditions.

1. Emergency Plan Requirements:

- The plan must detail procedures to be followed in response to adverse weather events (e.g., high winds, lightning, flooding).
- The plan should include response measures, such as the use of protective materials (e.g., ropes, shutter boards, etc.) and other necessary resources.

2. Communication of Response Measures:

- The plan must ensure that appropriate Supervisory Staff are informed of the required response measures.
- All necessary materials and equipment, such as ropes and shutter boards, must be readily available and communicated to Supervisory Staff.

3. Awareness of Impending Weather Conditions:

- In the event of impending adverse weather, the Emergency Response Staff and Supervisory Staff must be promptly informed of the situation.
- Staff should be made aware of the need to implement the appropriate response measures as required.

10.24.**Fall Protection Plan and Planner**

The Principal Contractor (PC) must comply with the OH&S Act, Section 8, and Construction Regulation 10. Whenever there is a risk of falling off, into, or over an edge, a risk assessment must be carried out, regardless of the potential fall distance. The PC shall appoint a competent Fall Protection Planner, who must have the following minimum qualifications:

- **Fall Arrest Course** (Accredited to SAQA Unit Standard 229998)
- **Fall Protection Planner** (Accredited to SAQA Unit Standard 229994)
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An appropriate, project-specific Fall Protection Plan (FPP), developed by the appointed competent Fall Protection Planner, must be submitted as an annexure to the Site-Specific Health and Safety Plan (SSHSP) when the SSHSP is submitted for approval by the Construction Health and Safety Representative (CHSR). The FPP must include, at a minimum, the following aspects:

- **Risk Assessment:** Identifying areas where a fall risk may exist and the required mitigating measures (e.g., signage, edge protection, hard barricading).
- **Permit System:** For working at heights.
- **Prevention Measures:** For falling tools, equipment, and persons, including a link to the emergency plan regarding rescue procedures.

First Aid

According to General Safety Regulation (GSR) 3(4), where more than 10 employees are employed at a workplace or worksite, the Principal Contractor (PC) shall ensure that there is at least one trained first aider for every group of 50 employees. First aid boxes must be provided where more than 5 employees are employed and must be readily available and accessible for the treatment of injured persons at the workplace.

To ensure immediate treatment of injured persons, it is recommended that all work crews have at least one trained Level 1 First Aider with a fully stocked first aid box, regardless of the number of people in the work crew. This is particularly important when contractors work at significant distances from the nearest emergency facility or town. These persons shall be appointed in writing as First Aiders, with their certificates attached as proof of competency. The minimum contents of the first aid box shall be in accordance with the list provided in the General Safety Regulations.

All treatments administered must be recorded in a register and kept with the first aid box. A trained and appointed First Aider must be responsible for the first aid box and its contents. Used items must be replenished as soon as possible.

To ensure prompt response at the emergency facility, it is recommended that the WCI 2 forms be partially completed with the employer's details.

Health-Related Epidemics and Pandemics

The contractor shall, as far as reasonably practicable, describe in the health and safety plan how health-related epidemics and pandemics will be managed. It is understood that this section will outline generic procedures rather than specifics. The contractor must ensure adherence to the requirements stipulated in the Hazardous Biological Agents (HBA) Regulation, including but not limited to:

- Risk assessment and risk assessment reviews
- Prevention measures
- Response measures
- Employee training and information sharing
- Employee health monitoring
- Management of infected persons
- Isolation rooms
- Employee transportation
- Employee accommodation
- Eating facilities
- Meetings/toolbox talks/daily safety talks
- Cleaning of offices and facilities

- Duties of persons exposed to HBA's
- Monitoring exposure at the workplace
- Medical surveillance of employees
- Keeping of records
- Personal Protective Equipment (PPE) and facilities
- Maintenance of control measures and facilities

Once the nature and scale of the epidemic or pandemic are known, the contractor must update the health and safety plan with the relevant information and submit the updated plan to the appointed OHS Agent for approval. Once approved, the contractor must implement and maintain the updated health and safety plan on site.

10.26.	Fire Extinguishers, Precautions and Fighting
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Comply with Construction Regulation, Section 29.

The Principal Contractor must provide his own firefighting equipment that is within the service date and safe for use. Firefighting equipment must be on a register and inspected by a competent person who has been appointed in writing.

Suitable and sufficient fire extinguishing equipment must be placed at strategic locations, within the plant and a sufficient number of firefighters must be available, which must be trained in the use of it.

The PC must ensure that the location of fixed Fire Extinguishing Equipment is indicated on his Site Layout plan and in his Emergency Plan. The procedure to be followed in the event of a fire must be translated into the languages of all workers on site, posted on notice boards, communicated to workers and records kept of such communication.

All work involving the generation of a Fire Risk may only be executed upon the issue of a Hot Work permit, which include the presence of Fire Extinguishing equipment and checking for smouldering materials.

Fire precautions on construction sites in addition to the requirements of CR 29 must include Good Housekeeping, the keeping of minimum amounts of Flammable liquids etc. SABS compliant signage such as "No Smoking" "No Naked Flames" etc. posted where appropriate.

Sufficiently trained persons such as Supervisors need to be available on site to be able to perform fire-extinguishing exercises and use equipment correctly. Persons involved with activities such as welding, grinding etc. must be able to perform fire-extinguishing exercises when required.

All Fire extinguishing Equipment must be serviced annually, numbered, on register and inspected by a trained competent person at least every six months. All fire extinguishing equipment which has been discharged or damaged in any way must be sent off site and be attended to by a SABS accredited Service Agent.

10.27.	Fuel and Flammable liquids
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The PC must ensure compliance with OH&S Act - General Safety Regulation 9 and Temporary Storage of Flammable liquids on Construction Sites, Construction Regulation Reg.25.

Storage areas must be provided with a bund wall to contain 110% of the maximum volume of the container/s stored in the area. Drip trays of sufficient size must be provided at tap off points.

Storage Containers must be clearly marked with a "Flammable Liquid, No Smoking & No naked Flame" signs, be clearly marked to indicate contents of the tank and bonded to prevent static electricity sparks being generated. An adequate numbers of dry chemical fire extinguishers, each with a minimum capacity of 4.5kg, must be provided,

Before any fuel driven plant or equipment is refuelled, it must be switched off, and no refuelling may take place where machinery is kept running. Refuelling must take place at designated safe areas and appropriate warning signs installed.

The Contractor must ensure that storage areas must be designated at a safe distance from other buildings. It must be kept free from all combustible materials and must be constructed from brick/ mortar/steel, no timber or similar combustible materials may be used.

The following SABS compliant Symbolic Safety Signage need to be displayed: "No Smoking" and "No Naked Flames", Fire extinguisher and Location signs.

10.28.	General Record Keeping
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The PC and Sub contractors must keep and maintain Health and Safety records to demonstrate compliance with the Clients SSHSS, OHS Act, Act 85 of 1993 and the Construction Regulations of 2014. The PC must ensure that records of all incidents/accidents, training, inspections, audits etc. are kept in the SSHSF held in the Site Office.

THE SSHSF must always be present on site. The PC must ensure that every sub-contractor opens and maintains his own SSHSF under the control of the PC's responsible person.

10.29.	Hand Tools
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The use of hand tools can contribute to accidents and incidents if not properly managed. Therefore, the Principal Contractor (PC) must ensure that all hand tools brought onto and used on-site are safe and in good working condition.

1. Inspection and Maintenance of Hand Tools:

- Hand tools must be inspected at least once a month by an appointed competent person.
- The results of these inspections must be recorded in an appropriate register.
- Any hand tools found to be unsafe must be immediately removed from use, tagged as "unsafe," and taken off-site.

2. Prohibition of Makeshift Hand Tools:

- Makeshift hand tools (i.e., tools that are improvised or not designed for the specific task) are strictly prohibited from being brought onto or used on-site.
- If makeshift tools are found, they must be immediately removed and/or disposed of.

10.30.	Hazardous Chemical Substances (HCS)
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The PC must comply with the Hazardous Chemical Substances Regulations 2022 and amendments thereto. No HCS may be permitted to be brought on site without a MSDS. The PC must ensure that all the necessary use and storage precautions are taken and that the required safety equipment, first aid measures etc is available.

All employees required to use HCS, or products containing Hazardous Chemical Substances must be adequately and comprehensively trained with regards to the requirements of the Hazardous Chemical Substances Regulations including the potential sources of exposure and the potential risks to their health caused by exposure.

MSDS's for all Hazardous Chemical Substances must be kept on site in the SSHSF and recorded in a HCS Register.

PRODUCTS / SUBSTANCES / RISKS	POTENTIAL HEALTH OR OTHER RISKS A full list of SDSs is to be maintained according to products risk and specified by Designers or site staff, contractors
LPG (Gas bottles)	LPG for waterproofing, heating of bitumen for road surfacing. Fire, explosions, burns
Cement/Silica dust	Caused by cutting, grinding, sanding of any concrete/granite/tiled surface/masonry, and piling. Other activities create noise and vibration.
Grouts or sealants, epoxies	May be used in terms of patching or works to repair or fix components into position. Activating agents can be carcinogenic, and have other health issues.
Sewage, effluent	Raw sewage with health risks such as hepatitis and other issues due to cleaning and using portable chemical toilets and clearing conservancy tanks. Care to be taken using non-formaldehyde enzyme or bacterial products, limit the ratio of toilet use to ensure no spillage and daily cleaning
Primers and paints: acrylic PVA, zinc phosphate primers, polyurethane enamels, waterproofing products	Drying of the skin, dermatitis, volatile inhalation

10.31.	Hazard Identification and Risk Assessment (HIRA)
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The Principal Contractor (PC) must comply with Section 8 of the Act and Construction Regulation 9 by ensuring that Site-Specific Hazard Identification and Risk Assessments (HIRA) are conducted by an appointed competent person. Supervisory staff must be equipped with the necessary skills to perform HIRA.

The purpose of a Risk Assessment (RA) is to:

1. **Identify Main Activities:** Determine the primary activities involved in the construction process.
2. **Identify Sub-Activities:** Break down these main activities into sub-activities.
3. **Identify Hazards:** Recognize the hazards associated with each sub-activity.
4. **Assess Risks:** Evaluate the risks related to these hazards.
5. **Determine Pure Risk Level:** Use a risk matrix to assess the Pure Risk level.
6. **Propose Control Measures:** Suggest appropriate risk reduction or control measures.
7. **Re-evaluate Risk Level:** Reassess the risk level after applying control measures using the risk matrix to determine the Residual Risk Rating. This rating must be as low as reasonably practicable (ALARP).
8. **Communicate Findings:** Communicate the hazards, residual risks, control measures, and other relevant information to the workforce, typically in the form of Safe Work Method Statements (SWMS) or Safe Work Procedures (SWP).

Please refer to Item 9 at the beginning of this document for details regarding the submission of Risk Assessments and the approval process.

The PC and its appointed competent person are responsible for evaluating and approving HIRA developed by their appointed subcontractors. These HIRA must meet or exceed the standards required by the Construction Health and Safety Advisor (CHSA). If, during an audit or at any other time, it is found that HIRA or SWMS/SWP used by subcontractors are substandard, the CHSA will issue instructions to cease work related to such substandard HIRA and/or SWMS until they are amended to a satisfactory level.

The PC must ensure that all persons who could be negatively affected by hazards and risks associated with construction operations are informed and trained according to these hazards and risks. They must also be familiar with the Safe Work Procedures, control measures, and other relevant rules.

If the CHSA identifies alternative hazardous activities or risks for which a Risk Assessment was not performed or not identified as part of the Risk Assessment process, the PC will be required to implement corrective measures before being allowed to continue with the work. It should be noted that, although the CHSA may approve RAMS (Risk Assessments and Method Statements), the responsibility for ensuring their correctness and the adequacy of the required mitigation measures rests with the PC as the employer, in accordance with Section 8 of the Act.

10.32.	Hazards and Potentially Hazardous Situations
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The PC must immediately notify other Sub-Contractors and/or occupants of the site where work is being conducted of any hazardous or potentially hazardous situations that may arise during performance of construction activities.

Should a hazardous situation require work stoppages, the work must be stopped, and corrective steps taken such as the conducting of new RA's, amending RA's the development of new SWMS, amendment of existing SWMS's, barricading, signage etc.

10.33.

Health and Safety Audits, Monitoring, Reporting and Statistics

The CHSR shall strive to at least once a month or at closer intervals as determined necessary for the duration of the contract conduct Health and Safety Audits of the work operations. The audit shall be consisting of a detailed audit of physical site activities and administration of Health and Safety. Copies of the audit reports will be forwarded to the Project Leader and the PC within seven working days. Copies of the Audit report must be kept in the SSHSF. The CHSR may at any time visit the site for an Audit without prior notification to the contractor.

The CHSO must conduct monthly Self-Audits including all the sub-contractors on site at the time of the audit as approved at the time of the SSHSP approval. The results of the Self Audits must be made available to all members of the project team at least 7 days before the following progress meeting. At the progress meeting the CHSO must report on his finding and closing out of deviations.

Issues such as injury and incident records e.g., Near misses, First Aid, Medical Cases, and the Disabling Injury Frequency Rates must be included in the audit report. Copies of self-audit reports must be kept in the SSHSF.

10.34.

Health and Safety Disciplinary Procedure

The Principal Contractor (PC) is responsible for maintaining discipline on-site, including for employees, subcontractor staff, and visitors. To meet this responsibility, the PC must establish and implement a **documented Disciplinary Procedure**, which must be communicated to all persons working on-site.

1. Disciplinary Action for Health & Safety Breaches:

- If a breach of Site Health & Safety Rules or the PC's Safety Procedures is identified, the PC must initiate disciplinary action in accordance with the documented procedure.
- The severity of the action taken will depend on the nature of the breach and the individual's presence on site.

2. Disciplinary Process:

- **First Breach:** Verbal warning and/or counselling.
- **Second Breach:** Written warning and/or counselling.
- **Third Breach:** Appropriate disciplinary action, such as suspension without pay, termination of service, or other penalties, depending on the severity of the breach.

3. Documentation and Reporting:

- All disciplinary actions, including the issuance of Non-Conformance Reports (NCRs), must be recorded and included in the **PC's monthly SHE (Safety, Health, and Environmental) Audit report**.
- The report must be submitted to the Chief Health and Safety Representative (CHSR) and other relevant team members for review.

10.35.	Health and Safety Management Information Notice Board
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The PC must provide a Safety Management Information Notice Boards (SMI boards) as a minimum near the site office and if possible, in other areas e.g., eating and changing areas, with the following information posted:

- Supervisors Photos and Contact details.
- First Aider Photo and Contact detail.
- Valid, completed DSTI/S for the day's activities.
- Emergency Procedure.
- Any other information as required by the CHSR.

10.36.	Health and Safety Organogram
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An organogram outlining the Health and Safety Management Structure as per appointments under the OHS Act and the Regulations must be included in the SSHSP and kept in the SSHSF. The Organogram must also be displayed in the Site Office.

Any changes to the appointments as per the approved Organogram must result in the Organogram being revised. All previous organograms must be kept in the SSHSF and not be discarded. The initials and Surname of appointees. Including the description of their appointment must be reflected on the Organogram.

10.37.	Health and Safety Plan and Submission
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The PC must submit a detailed SSHSP based on this document known as the SSHSS. The contents of the SSHSP can be found under Annexure C of this document. Note must be taken of the required documentation which needs to be submitted as part of the SSHSP.

Failure to submit the required documentation as required by Annexure C, may result in a delay of the SSHSP approval process. When submitting the SSHSP to the Client/or its duly appointed representative the PC's CHSO must contact the CHSR appointed to this project, who's contact details can be found under the heading "Item 5.3: The Project Team" to arrange a sit-down meeting to discuss the PC's SSHSP to work towards approving the SSHSP. **It must be noted that no evaluation or approval of the PC's SSHSP will take place without engaging with the CHSO.**

10.38.	Health and Safety Policy
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The Safety, Health and Environment Policy signed by the Chief Executive Officer must form a part of the SSHSP. The policy must outline Health and Safety objectives and set out how they will be achieved and implemented during construction.

The Policy must in addition to being part of the SSHSP and being kept on the SSHSF also be communicated to all employees, copies of such communication must be kept on the SSHSF. A copy of the Health and Safety Policy but must also be displayed in the Site Office.

10.39.**Health and Safety Training**

The PC must ensure that all site personnel and Visitors attend a site-specific health and safety induction training session before starting work or being permitted entrance onto the site.

Employee Induction training must also include training on the risks associated with the works to be executed, method statements (SWP's) and emergency procedures. Visitor Induction training must include items such as site safety and health risks, steps to follow in the event of emergency, restricted areas and on the site and health and safety rules.

A record of attendance reflecting the signature of all training must be kept in the SSHSF. Employees and Visitors must carry proof of induction training whilst being on site, which may be a nametag or sticker, displayed on a hardhat. The PC must ensure that none of his employees, or sub-contractor employees, including transport and delivery Contractors entering the site delivering materials and/or equipment, may proceed to enter the Site or any operations area until they have received all training required under applicable laws and regulations, including, but not limited to, work activity inductions and Site-specific induction etc.

Induction Training is generally valid for 1 year but should the contents of the training previously rendered change then follow up training must be rendered irrespective of the fact that induction training may still be valid.

The PC must prepare and present to all its employees its own Contractors Induction training, explaining the PC's SSHSP, Rules, the obligations imposed by the Occupational Health and Safety Act and Regulations, as well as a Site Specific Induction, which must as a minimum consist of an introductory briefing explaining the nature of the work, the general hazards which may be encountered during the operation, and the particular hazards attached to their own function within the site.

10.40.**Heat Stress and Sun Protection**

In accordance with the OHS Act, Environmental Regulations 2(4), the Principal Contractor (PC) must implement measures to address heat stress, which can occur in various construction activities, particularly in physically demanding work or when working in excessive ambient or radiant temperatures.

1. Heat Stress Mitigation Measures:

- The PC must implement preventative measures, such as:
 - Providing rest breaks to workers to avoid overheating.
 - Ensuring an adequate supply of drinking water to keep workers hydrated.
 - Scheduling work during cooler parts of the day, such as early mornings and late afternoons, to reduce heat exposure.

2. Health and Safety Risks:

- Workers exposed to excessive temperatures may experience reduced concentration, increasing the likelihood of accidents and injuries. The PC must monitor and mitigate this risk.

3. Protection from Sunlight Exposure:

- The PC must ensure workers are adequately protected from excessive sunlight exposure by providing:
 - Protective clothing, including long-sleeve shirts and long trousers.
 - Brims for safety helmets.
 - UV-protective sunscreen.
 - Shade structures to offer relief from direct sun exposure.

10.41.	High Voltage Equipment and installations
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In the event where the presence or location of High Voltage Equipment such as underground cables are not known with a high level of certainty, the PC must ensure that the necessary precautionary steps are taken such as the manual digging of pilot holes, use of detection equipment, lock out and isolation at sources, use of insulated tools and equipment etc.

Where work must be conducted in the presence or below overhead lines issues such as the correct lifting of conductive materials, keeping of safe distances to prevent flash over etc must be documented and communicated to employees. No isolation, termination of services may take place without the documented permission of the Electrical Engineer and the issue of an appropriate permit, which will include the necessary lockout, tagging and testing by an appointed competent person.

No unauthorised person may in any way interfere with or switch off any high voltage or critical electrical supply.

10.42.	Housekeeping
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The PC must implement and ensure compliance with the requirements of Construction Reg. 27.

The PC must ensure that all work areas are kept in a neat and tidy state, free of debris and rubbish, at all times. Unless otherwise directed, the PC must dispose of all debris, rubbish, spoil, and hazardous waste off site in a designated and authorised area or facility.

The PC must keep in mind that poor housekeeping does not only contribute to the creation of an unsafe working environment but also a poor image of the project and its management, as well as the department as the client. In the event where housekeeping standards are not maintained or implemented the CHSR may issue instructions to cease, work until housekeeping is of an acceptable standard without the Client entertaining any extension of time claims or costs claims by the PC. **Keeping the site in a neat and orderly condition at all times is the sole responsibility of the PC.**

Regular safety/housekeeping inspections on an at least a weekly basis to ensure maintenance of satisfactory housekeeping standards must be conducted by the PC and the results of each inspection documented and the recorded. Records of such inspections to be kept on the SSHSF for viewing by the CHSR. The PC must ensure that all supervisory staff are made aware of their responsibility to monitor and manage housekeeping in their respective areas of responsibility.

DSTI's must make provisions for the checking that work areas are left in a neat and tidy fashion at the end of each shift. The CHSO must on a random basis after signing off on DSTI's at the end of shifts inspect such work areas to verify that such work areas are left in a neat and tidy condition. Should it be found that DSTI's are not a true reflection of the condition the work area was left in, the Supervisor must be engaged regarding the matter and if it is found to be a repeated situation, disciplinary measures must be implemented.

Waste disposal and general refuse disposal areas must be made available and barricaded off. The PC **MUST** ensure that refuse removal frequencies are in line with waste /refuse generation frequencies. If waste/refuse generation rates increase the removal frequencies must increase, no overflowing waste/refuse disposal areas will be tolerated.

Employees must, as part of the hazard communication process on DSTI's be made aware of the hazards and risks created due to poor housekeeping practises. Incidents of poor housekeeping practises and poor levels of supervisory

enforcement of good housekeeping practises must be considered as part of offenses which may require steps to be followed as part of the PC's disciplinary process.

10.43.	Incident and Injury Management
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The PC must implement and ensure compliance with OH&S Act - General Administrative Regulations 6 and 8. This section must be read in conjunction with item 10.1 Accident, Incident Investigation.

The PC must have in position prior to site establishment and have submitted with his SSHSP for approval by CHSR suitable /sufficiently documented accident/ incident reporting system/procedure that is following all applicable statutory requirements.

Any incident or "near miss" involving the PC or its subcontractor's or any third party's personnel, property, plant or equipment, must with immediate effect be verbally reported to the CHSR by the PC's CHSO whether or not injury to personnel or damage to property or equipment resulted from such incident or "near miss". The verbal reporting must be followed within 48 hours by a brief written report stating the known facts and conditions including a preliminary assessment of the most likely consequence potential of the incident in the circumstances, as well as the preventative measures to be implemented by the end of the shift. The abovementioned procedure does not exempt the PC from providing accident reports required by Statutory Authorities.

In the event of any serious incident resulting in a fatality, or permanent disability, the incident scene must be left untouched until witnessed by a representative of the SAP. This requirement does not mean that First Aid cannot be administered, or the scene be made safe. In the event where items or equipment have to be moved to assist in removing injured person/s photographs detailing the scene of the accident must be taken if possible before the scene is disturbed preclude immediate first aid being administered and the scene being made safe.

Names and contact details of witnesses to the accident must be taken by the CHSO or a SHE Representative delegated with such responsibility by the CHSO ASAP after arriving at the scene of the accident to assist in the accident investigation procedure.

Failure by the PC's SHE Officer to provide the CHSR with the abovementioned report within the specified timeframe as required will result in the Construction Manager (CR 8.1) being required to submit to the CHSR with a letter indicating the reasons as to the required report not being submitted as well as when the report will be submitted which may not exceed 72 hours from the time of the incident. Failure to comply with the abovementioned requirements at the discretion of the CHSR may result in instructions to cease work being issued until the detailed report as required has been submitted.

In the event where an injury has taken place such injury must be managed by ensuring that appropriate medical treatment is provided to ensure that the injured person has the opportunity as far as is reasonably practicable taking the injuries sustained into consideration to return to a level of good medical fitness and be able to resume his normal day to day activities whatever they may be.

The PC must ensure that suitably qualified medical persons/practitioners must treat all injured persons.

10.44.	Induction Training
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Each employee and person wishing to enter the site must attend all mandatory Health and Safety Induction Training applicable to the project. No employee or visitor will be permitted to enter any project work site until he has attended this training. Each employee and visitor must carry proof that he has completed the induction training and may be removed from site if such proof cannot be produced on request.

All visitors must receive a visitor induction briefing before entering any project work site. However, this induction does not permit a visitor to enter a site unescorted. Visitors must be always accompanied by an appropriately senior employee who has been fully inducted.

10.45.	Ladders, Portable
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The PC must comply with OH&S Act - General Safety Regulation 13A. PC to ensure that:

- All ladders used on the site is constructed and used in compliance with the OH&S Act and Regulations.
- Ladders, which provide access to a working platform, must extend at least one meter above the platform where it provides access, and is secured to prevent slipping.
- Timber ladders must not be painted other than with clear preserving oils, clear varnishes etc.
- Damaged ladders must be removed from the work area, tagged unsafe and removed from site.
- All ladders must be tagged with a clearly visible tag or numbered which is recommended to be positioned below the second rung from the top, logged in a register and inspected by a competent person.
- All portable ladders when in use must be held by an assistant or properly tied down.
- All persons using ladders must be trained in the correct, safe use of ladders.

10.46.	Lighting
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The Principal Contractor (PC) must implement and comply with the OH&S Act – Environmental Regulations, Schedule E of the Regulation.

The PC must ensure that, where natural lighting is inadequate, workers are provided with a safe working environment through the provision of artificial lighting in all work areas and walkways.

Portable lights must be of robust construction, have adequate stability, and be fitted with a mechanical guard to protect the lamp. Makeshift lights, such as overhead fluorescent tubes positioned on floors or leaned against walls, are not acceptable. Cables and plugs must be in good condition and properly routed, preferably overhead, to prevent tripping hazards.

For work activities involving wet processes, cables and lights must be suitable for use in wet environments. All lighting must be electrically safe for use, including proper construction and cable integrity.

It is important to note that lighting classified as “plug-in” and “plug-out” is considered Portable Electrical Equipment. Such equipment must be numbered, inspected, and recorded on a Portable Electrical Equipment Register.

In the event of night work, illumination checks must be conducted to ensure compliance with minimum lighting requirements. Additionally, provisions for emergency lighting must be addressed to cover power failures.

The Principal Contractor (PC) and Sub-Contractors must ensure that lifting machinery and tackle are inspected before use and thereafter in accordance with the Driven Machinery Regulations as published in Government Notice No. R. 298 dated 26 February 1988 and CR 22.

The PC must adhere to the following minimum standards. If it is not possible to meet these standards, the Construction Health and Safety Representative (CHSR) must be consulted regarding the issue.

Design, Manufacturing, and Safety Features

1. **Equipment Profile:** An Equipment Profile (dossier) must be compiled for each crane. A current copy must be kept in the cab of the crane.
2. **Standards Compliance:** The design and manufacturing of each crane or hoist used on the project must comply with the relevant ISO standards or national standards, applying the most stringent requirements.
3. **Safe Working Load (SWL):** The Safe Working Load must be clearly indicated on each crane, hoist, and item of lifting tackle. If the SWL of a crane varies with conditions (e.g., boom angle and length), the manufacturer's load chart(s) must be available in the crane cabin. If there are multiple load charts, they must be easily accessible to the operator.
4. **Operating Manual:** The manufacturer's operating manual must be available to the operator and in a language understood by the operator.
5. **Safety Latches:** All lifting hooks must be fitted with a safety latch to prevent accidental detachment.
6. **Load Cells and Limiting Devices:** Each crane or hoist must be equipped with a load cell (displaying the load mass in the operator's visual range) and a load limiting device to prevent operation outside safe limits.
7. **Limit Switches:** Where practicable, cranes must have an upper hoist limit switch (or anti two-block device) and a lower hoist limit switch. These must provide both visual and audible alarms. Limit switches must not be bypassed, disconnected, or adjusted to lift loads higher or lower than allowed.
8. **Operator Control Station:** For vehicle-mounted cranes, the operator control station must be protected from swinging loads and the crane jib.
9. **Fall Protection:** A fall protection system must be provided for the assembly, dismantling, operation, maintenance, and inspection of any crane where falling from height is a hazard.
10. **Stability Monitoring:** Each crane should have a stability monitoring device to prevent toppling.
11. **Lifting Tackle Safety:** Only lifting tackle designed and manufactured with adequate safety factors may be used. Minimum safety factors include:
 - Ten (10) for natural fibre ropes
 - Six (6) for synthetic-fibre ropes or woven webbing
 - Six (6) for steel-wire ropes
 - Five (5) for steel chains
 - Four (4) for high-tensile or alloy steel chains
12. **Excavator/Tractor-Loader-Backhoe (TLB):** May not be used for lifting unless it complies with crane standards and authorization is granted by the nominated project representative.

Planning and Risk Assessment

1. **Critical Lifts:** A detailed lift plan and risk assessment must be prepared for each critical lift, addressing all associated hazards. Only qualified, competent, and experienced persons may evaluate critical lifts and prepare lift plans.
2. **Lift Plan:** The lift plan must include:
 - General Information: Crane manufacturer, model, items to be lifted, and reason for lift
 - Lift Data: Load weight, lifting block and hook weight, hoist rope weight, rigging weight, total weight, height, radius, surface area, and centre of gravity of the load
 - Rigging Data: Sling material, diameter, length, configuration, capacity, hook type, shackle size, and capacity
 - Lift Computation: Boom length, jib length, radius of lift, crane capacity, size of outrigger footplates, and wind speed
 - Proximity to Power Lines and Process Areas: Permit to Work for mobile cranes near power lines, exclusion zones, and spotter duties
 - Local Hazards and Controls: Crane route, ground stability, proximity of people or equipment, and communication methods
 - Diagrams: Rigging diagram, crane set-up diagram, and load positions
3. **Crane-Suspended Man Baskets:** May only be used after exhausting all other safe work methods. Cranes for lifting personnel must be approved for this purpose.
4. **Power Lines:** Minimum clearance distances from energised overhead power lines must be observed. Power lines should be de-energised and isolated if possible.

Operation

1. **Pre-Operation Safety Check:** At the start of each day or shift, the crane or hoist operator must conduct a pre-operation safety check using a prescribed checklist based on a risk assessment and manufacturer's recommendations.
2. **Checklist Requirements:** The pre-operation safety check must include:
 - Visual inspection of ropes, chains, hooks, safety latches, hook blocks, sheaves, hydraulic hoses, electrical cables, and crane condition
 - Serviceability of operating controls
 - Operation of limit switches, emergency shutdowns, load indicators, alarms, and safety devices
 - Inspection of lifting tackle
3. **Reporting and Operation:**
 - Report any faults, defects, or damage immediately.
 - Do not operate if safety devices are defective or components are damaged.
 - Completed checklists must be available for inspection and preferably kept with the crane or hoist.
 - All lifting operations must be supervised by qualified, competent, and experienced supervisors.
 - An effective communication method between the crane operator and those assisting with the lift must be documented.
4. **Access Control:** Areas where lifting operations are conducted must be restricted and barricaded. Warning signage must be displayed.
5. **Lift Execution:**
 - A single person must direct and control the lift.
 - Spotters must observe and provide warnings if necessary.
 - Verify load weight and capacity before lifting.
 - Use only certified lifting tackle.
 - Ensure no safety devices are bypassed.
 - Hoist ropes must be kept vertical, and three full wraps must remain on the drum.

- Verify rigging connections and ensure slack is removed before lifting.
 - Avoid moving loads over people or occupied buildings.
- 6. Mobile Cranes:**
- Ensure outriggers are deployed and locked before lifting.
 - Inspect ground conditions before moving a crane into position.
 - Do not travel with a suspended load.
 - Secure slewing pins and prevent unauthorized use by removing keys or locking the cabin.

Inspection, Testing, and Maintenance

- 1. Documentation:** Each crane, hoist, and item of lifting tackle must have a unique identification code. Documentation, including test records, inspection records, maintenance records, and details of modifications or repairs, must be kept on site and available for inspection.
- 2. Inspection and Testing:**
 - Thorough examination every 6 months
 - Annual performance test
 - Quarterly inspections of lifting tackle
- 3. Maintenance:**
 - A preventative maintenance system must be in place.
 - Inspections, testing, maintenance, and repairs must comply with manufacturer's specifications and regulatory requirements.
 - Repairs must be carried out by competent persons, and modifications must be approved by the original equipment manufacturer.
- 4. Tagging and Registration:** Lifting tackle must be tagged following each quarterly inspection, and a lifting tackle register must be maintained.

The following colour coding system is recommended for the tagging of all lifting tackle:

<u>Quarter</u>	<u>Tag Colour</u>
January – March	
April - June	
July - September	
October - December	
	Yellow

Lifting Machinery and Tackle Regulations

Inspection and Maintenance Standards

- 1. Pre-Use Inspection:**
 - All lifting machinery and tackle must be inspected before use and thereafter according to the Driven Machinery Regulations (Gov. Notice No. R. 298, 26 Feb 1988 and CR 22).
 - A current Equipment Profile (dossier) for each crane must be maintained and kept in the crane cab.
- 2. Design, Manufacturing, and Safety Features:**
 - Compliance with ISO standards or national standards is mandatory for cranes and hoists.
 - Safe Working Load (SWL) must be clearly indicated.

- Load charts and operating manuals must be available in a language understood by the operator.
- Safety latches on lifting hooks, load cells, and load limiting devices are required.
- Anti-two-block and hoist limit switches with visual and audible alarms are necessary.
- Vehicle-mounted cranes must have protected control stations and stability monitoring devices.
- Proper factors of safety for lifting tackle: 10 for natural fibre ropes, 6 for synthetic-fibre ropes/woven webbing/steel-wire ropes, 5 for steel chains, and 4 for high-tensile/alloy steel chains.

3. Planning and Risk Assessment:

- Critical lifts require a documented lift plan and risk assessment prepared by qualified personnel.
- Include lift data, rigging data, lift computation, proximity to hazards, and diagrams in the lift plan.
- Lifts near power lines or involving specialised equipment need additional precautions

4. Operation:

- Pre-operation safety checks must be carried out daily or per shift, including inspection of ropes, chains, hooks, safety devices, and control systems.
- Only certified lifting tackle should be used, and no tackle used for towing should be used for lifting.
- Lifting operations must be supervised, and effective communication procedures should be in place.
- Safety measures include restricting access, using tag lines, and ensuring no personnel are positioned under or between loads.

5. Inspection, Testing, and Maintenance:

- A unique identification code for each item of lifting tackle must be recorded in the lifting tackle register.
- Items found damaged or overloaded must be removed from service, repaired, or destroyed.
- Regular inspections, tests, and maintenance are required, including a thorough examination every 6 months and annual performance tests.

6. Training and Competency:

- Only trained and competent persons are allowed to plan, supervise, operate, or inspect lifting operations.
- Operators must have the required certification for their specific crane or hoist.

7. Manual Handling:

- Manual handling of objects exceeding 25 kg should be avoided where possible. Mechanical aids should be used for heavier loads.
- Proper lifting techniques and communication for team handling should be planned and rehearsed.

8. Maintenance:

- Equipment and structures must be maintained according to manufacturer recommendations and a planned maintenance system.
- Current test and maintenance certificates must be kept on-site.

9. Medical Fitness/Fitness for Work:

- All employees must undergo medical examinations and have a valid medical certificate of fitness specific to their work.
- Medical examinations for drivers/operators and those working at heights must assess relevant conditions and medications affecting safety.

Additional Details for Implementation

Inspection Tags and Register:

- **Tag Details:** Must include item description, unique identification code, owner, location, date of inspection, inspector's name/signature, and any comments.
- **Handling Defective Tackle:** Items found defective or suspected of being overloaded must be removed from service, tagged, and either repaired or destroyed.

Risk Assessment Considerations:

- For manual handling, assess load weight, distance from lower back, posture, and environmental factors.
- For team handling, ensure proper coordination, communication, and control.

Compliance and Documentation:

- Ensure all inspections, maintenance, and testing are documented and available for review.
- Any modifications or repairs must follow a rigorous change management process and receive manufacturer approval if applicable.

By adhering to these regulations and guidelines, safety in lifting operations can be significantly improved, ensuring a safer working environment for all personnel involved.

10.51.

Method Statements, Safety (SMS)/ Safe work procedures (SWP)

SMS's/SWP must be in line with the associated Risk Assessments. The SMS's/SWP's must detail in a step- by- step and methodical manner on how the task is to be done from beginning to the end and must indicate what tools/equipment will be used at each stage and/or how the work area is to be accessed. The Task Items listed in the SMS's/SWP must tie up exactly with the task items being assessed in the Risk Assessment document.

Acceptance of a SMS by the CHSR does not relieve the PC of his responsibility for ensuring full compliance with SSHSS and any applicable legislation.

10.52.

Noise

The PC must implement and comply with OH&S Act - Environmental Regulation 7 and the Noise Induced Hearing Loss (NIHL) 2003 Regulations.

The PC must meet statutory requirements on limitation of noise emitted by machines and equipment. When personnel are required to operate such equipment, noise level exposure at the operator position must not exceed an equivalent level of 85-dB (A) or more during normal working conditions without the required mitigating measures being implemented.

Employees working in the vicinity must not be subjected to an equivalent continuous level of 85-dB (A) during normal operating conditions. The PC must comply with time periods and PPE requirements where applicable.

Consideration must be taken of the fact that the sound level at any works/site boundary caused by mobile equipment must not exceed the nighttime background level pre-existing the operation of the equipment. **At no time must the noise emission of the equipment or activities cause the sound level at the nearest residence, hospital ward or adjacent structure to exceed 40-dB (A).**

Sound levels must be measured in accordance with SANS 10083, with due allowance being made for tonal or impulsive components. A plot plan of project or plant must be drawn up to identify the measuring points with date, time, and frequency duration of measurement.

Symbolic safety signs, warning employees and visitors regarding the hazard of noise in the area, shall be erected at all entrances to the area and in a position where it must be clearly visible.

10.53.

Notices

Compliance with Health and Safety Notices

Procedure for Handling Health and Safety Notices:

1. Receipt of Notice:

- **Immediate Action:** Upon receiving any notice issued by a relevant Government Authority concerning Health and Safety, the Principal Contractor (PC) must comply with the requirements outlined in the notice without delay.

2. Documentation and Communication:

- **Copies to CHSR:** Within 2 hours of receipt or dispatch of such notice, the PC must provide the Construction Health and Safety Representative (CHSR) with copies of the notice, correspondence, or any directions issued by the Government Authority.
- **Method of Submission:** Ensure that copies are sent promptly via a secure and traceable method to confirm receipt by the CHSR.

3. Follow-Up Actions:

- **Compliance Verification:** Confirm that all actions required by the notice are implemented and documented.
- **Record Keeping:** Maintain a record of all notices received, actions taken, and correspondence sent to ensure compliance and for future reference.

Key Points to Remember:

- **Timeliness:** Adherence to the 2-hour rule is crucial for ensuring timely communication and compliance.
- **Accuracy:** Ensure that all copies are complete and legible to avoid miscommunication.
- **Responsibility:** The PC is responsible for both the immediate compliance with the notice and the effective communication of this compliance to the CHSR.

By following these steps, the PC ensures that all health and safety directives from relevant authorities are promptly addressed and properly communicated, reinforcing a commitment to maintaining a safe working environment.

10.54.	Construction Work Permit
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APPLICATION FOR CONSTRUCTION WORK PERMIT

Construction Regulation, 2014 Section 3 requires that the client apply for a construction work permit at least 30 days before construction work is started, if the intended construction work will:

- exceed 365 days and will involve more than 3 600 person days of construction work; or
- if the tender value limit is a CIDB grade 7, 8 or 9.

If approved, the provincial director will issue a construction work permit in writing to perform construction work within 30 days of receiving the application and assign a site-specific number for the construction site. It is the intention of DOPW to apply for a construction work permit as soon as The Principal Contractor is appointed and his Health and Safety Plan is received, in order to minimize construction delays.

The site-specific construction work permit number must be displayed at the main entrance to the site and a copy of the construction work permit must be kept in the Principal Contractor's health and safety file for inspection purposes. Where changes to the conditions given in the submission are required (i.e. Contractors, completion dates, increase in workers), a revised Annexure 1 will be submitted to the Department of Labour.

Hygiene and Waste Management on Site

1. Hygiene Standards and Work Areas:

- **Personnel Hygiene:** Ensure that all personnel, including subcontractors, maintain high standards of personal hygiene and cleanliness in their work performance.
- **Work Area Maintenance:**
 - **Cleanliness:** All work areas must be kept clean and tidy at all times.
 - **Waste Management:**
 - **Receptacles:** Provide sufficient waste collection receptacles throughout the site.
 - **Disposal Frequency:** Implement correct waste disposal frequencies to prevent waste accumulation and maintain a hygienic environment.

3. Training and Personal Hygiene:

- **Training Program:**
 - **Content:** Ensure that employees are trained on the Personal Hygiene and Infectious Disease Management Plan.
 - **Hazard Identification:** The plan must identify any anticipated hazardous biological agents in the work environment.
 - **Protective Measures:** Train employees in measures to protect themselves against these biological agents and provide necessary resources to minimize health risks.

4. Resting and Eating Areas:

- **Cleanliness:** Maintain resting and eating areas in a clean and tidy condition.
- **Location:** Position these areas away from contaminants and hazards to prevent exposure to potential risks.
- **Eating and Drinking:**
 - **Designated Areas:** Eating and drinking must only occur in designated areas. Prohibit consumption of food and drinks in work or office areas.

5. Hand Washing Facilities:

- **Accessibility:** Provide easily accessible facilities for hand washing.
- **Usage:** Ensure that personnel use hand washing facilities when transitioning between the construction area and site offices to prevent cross-contamination.

Implementation Checklist:

- **Hygiene Training:** Verify that all personnel have received training on hygiene practices and infectious disease management.
- **Waste Receptacles:** Ensure the availability of sufficient waste collection receptacles and establish a waste disposal schedule.

- **Resting and Eating Areas:** Check that these areas are clean, well-placed, and comply with hygiene standards.
- **Hand Washing Facilities:** Confirm that hand washing facilities are strategically placed and maintained for easy access.
- Maintaining these standards will promote a safer and more hygienic work environment, reducing the risk of contamination and promoting overall health on site.

10.56.	Permit to work
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The PC must implement a permit-to-work system to control identified high-risk activities such as:

- Major lifting operations.
- Hot works.
- Cold work in areas where operational plant or equipment can pose a threat.
- Working in confined spaces.
- Excavation work (cable clearance permit).
- Use of a hazardous substance, e.g., lead.
- Roof work etc.

Permits to work must list the specific conditions and hazards involving the specific task. Only authorized competent persons may issue and sign off Permits-to-work.

10.57.	Personal Protective Equipment (PPE)
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In accordance with the OH&S Act – General Safety Regulation 2, the Principal Contractor (PC) must ensure full compliance with the PPE requirements. It is important to remember that PPE should only be used as a last resort when all other risk mitigation measures have been exhausted.

1. Minimum PPE Requirements:

- All personnel (including contractors and visitors) on-site must wear the minimum required PPE at all times.
- The PPE must comply with the relevant South African Bureau of Standards (SABS) codes, and each item must be specifically designed and manufactured to meet the applicable standards.

2. Standards and Certification:

- Each item of PPE supplied for use on the project site must be:
 - Designed and manufactured in compliance with the relevant **South African National Standards (SANS)**.
 - Alternatively, items may meet equivalent **ISO standards** or other internationally recognized standards.

3. PPE as a Last Resort:

- The use of PPE must be considered a last line of defense after all other risk management and control measures have been applied.

Visitors (minimum PPE)

- Hard Hat,
- Reflective vest and
- Safety Boots.

If required due to on-site risks,

- Eye Protection,
- Hearing Protection,
- Respiratory Protection

No Visitor, regardless of title or position may be permitted to enter the construction site without the minimum PPE which is a Hardhat, Reflective Vest and Safety Boots. Should the CHSR when present on site find any person without the minimum PPE he may issue instructions to cease construction work.

On site Workers.

- Suitable protective clothing (Overalls for all employees working on-site)
- Personnel exposed to noise levels exceeding 85dB (A), SANS 11451 approved hearing protection.
- Gloves, (Type appropriate to risks, or recommended by product manufacturers).
- Eye Protection/Face shields, (Appropriate to risks, or recommended by product/equipment manufacturers).
- Leather spats, (Appropriate to risks, or recommended by product/equipment manufacturers).
- Safety harnesses, (Where work is conducted from a Fall Risk Position).

Additional PPE requirements must be determined through hazard identification and risk assessment. This hazard-specific PPE (such as hand protection, hearing protection and respiratory protection) must be worn as required (e.g., when in a certain area, when performing a certain task, or when working with a certain substance).

The correct PPE must always be worn:

- In accordance with site requirements (as indicated at the entrances to a project site and at the entrances to buildings and/ or designated areas on the premises).
- In zoned areas (e.g., noise zones and respirator zones).
- As required by a Safe Work Procedure, a risk assessment, or a Material Safety Data Sheet (MSDS).

PPE must be provided to the employees by the PC and Contractor at no cost to the employee. Due to hygiene risks associated with interchanging PPE Site visitors wishing to gain access to the site must have their own personal PPE.

Should a worker not have the required PPE he may not be permitted to work. Employees must be trained in the correct use and how to take care of PPE. Supervisors need to as part of the Pre-Shift inspections when conducting DSTI's check that employees have the required PPE and that it is in a good condition.

If an item of PPE has worn out, has become damaged, or is found to be defective in any way, it must be replaced by the contractor. Employees must be provided with facilities which enable them to store their PPE e.g., lockers.

Employees who wear prescription spectacles (i.e., require corrective lenses) must make use of either:

- Prescription safety glasses (with permanent fixed side shields) that conform to the requirements of a recognised national or international standard (e.g., CSA, ANSI, or equivalent), or
- Over-spec safety glasses or goggles.

Any person who refuses to wear PPE as required must be removed from the site.

Symbolic signs indicating mandatory PPE requirements must be prominently displayed at the entrances to a project site and at the entrances to buildings and / or designated areas on the premises where additional PPE is required. These signs must comply with SANS 1186.

The PC must ensure the:

- Control the issuing and replacement of PPE.
- Maintenance of a register as proof that items of PPE have been issued to Individuals with signatures of receipt of PPE.
- Keeping of adequate quantities of replacement PPE on site.
- Carrying out of regular inspections to ensure that PPE is being used correctly, is being maintained in a good, serviceable, and hygienic state, and is not being shared between employees.

10.58.

Plant and Machinery

Construction Vehicles & Mobile Equipment

Comply with Construction Regulation, Section 23, National Road Traffic Act, 1996

The access to and possession of the Site shall not be exclusive to the Contractor. The limitations are set out below:

- (a) Traffic and the community in general must be accommodated within the road reserve during construction using minor detours Stop/Go facilities working in half widths; and
- (b) The Contractor shall be required to liaise with, cooperate with and accommodate all other Contractors working on the site, particularly when such other Contractors are working in the same area simultaneously

Construction vehicle operators must have received training to operate the class of construction vehicle or mobile equipment and must be in possession of an operator's card as proof of competency. Construction vehicle operators must be authorised in writing and have a medical certificate of fitness issued by an occupational health practitioner to operate the construction vehicle and/or mobile equipment.

The Principal Contractor must further ensure that no worker may be transported in, or on the rear of construction vehicles (bakkies included), or with plant and materials to, on, or from site. The number of passengers in any vehicle is limited to what is stated on the license disc.

Vehicles used to transport workers to, from, or on site, shall have secure seats and be covered. The Principal Contractor must indicate in their OHS Plan what type of transport is envisaged and how this will be managed. Close control of plant and equipment is required, including that of all appointed Subcontractors. All plant must be accompanied by a recent service history inspection report as specified by the manufacturer and duly signed off by a competent mechanic and kept on file.

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 H&S Agent's audit. All daily inspection records are to be kept in the H&S file or Contractors where plant and equipment is brought onto site. Registers are not to be more than 1 week behind.

Only competent, medically fit plant operators are to be used therefore SAQA unit standard training must be undertaken by a registered training Provider for all plant on site, including Tipper Operators. Further, valid PDP's are required for all Construction Vehicles used on open public roads and medical certificates of fitness issued for all operators. 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

Lifting equipment

Comply with Construction Regulation, Section 22, General Machinery Regulation, and Section 18.

Should any form of lifting device or mobile crane be used during the project for deliveries, moving of supplies or equipment, the appropriate documentation must be made available. Method statements, risk assessments, safe work procedures, load tests certificates and training are to be available prior to work commencing. A procedure for managing loads and lifting must be made available as an addendum to the H&S Plan. The equipment must always be operated within its capability and if in any doubt, the Operator should consult with the operations and maintenance manual supplied by the Original Equipment Manufacturer. A Tractor-Loader- Backhoe (TLB) and Excavator are not deemed lifting machinery therefore are prohibited from being used as such unless modifications have been made to the Plant, tested and approved by an LMI and Mechanical Engineer or specified by the Original Equipment Manufacturer.

All lifting tackle must be suitable colour - coded and tagged for the respective quarter of the year and this strictly adhered to. All lifting tackle not conforming to this requirement will be removed from site until conformance is achieved. All employees conducting rigging activities must be deemed competent to perform such a function.

10.59.	Planned Task Observations
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PLANNED TASK OBSERVATIONS

All contractor and sub-contractor supervisors must perform Planned Task Observations (PTO's) to verify that the control measures that have been identified in SWMS's (and associated Risk Assessments) are being adhered to and are being properly implemented, and to provide guidance where deviations are noted.

Each supervisor must complete at least one PTO per day involving one or more employees in his work team.

When an unsafe act or condition is identified, the supervisor must coach the work team to correct the act or condition in line with the Safe Work Procedure.

Where valid changes to the work method are identified, the supervisor must ensure that the SWMS/SWP and Risk Assessment are updated to reflect the current practice.

10.60.	Pneumatically powered tools and equipment
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Compressed air and associated tools may only be used when compliant with the OHS Act, DMR 14. Air to operate pneumatic tools may only be supplied from compressors or compressed air lines. No homemade compressors may be used on site. All airlines must be in a good working condition and fitted with suitable clamps to prevent accidental connection. Compressed air may not be used for general cleaning including the cleaning of overalls.

Pneumatic powered tools must only be driven by filtered compressed air with an in-line lubrication system or be lubricated prior to use if there is no in-line lubrication system. When using pneumatic powered tools, the designated tool pressure must be attained using a regulator.

Pneumatic powered tools must be disconnected when not in use. They must not be disconnected from the air supply until all the residual pressure has been released or contained by a shut-off device. Hoses must not be kinked as a means of containment.

Employees operating pneumatic powered tools, and any potentially affected employee in the vicinity of use, must wear suitable PPE.

All rotary compressed air tools (e.g., drills) must have the rated revolution per minute (RPM) permanently marked on the casing. Only attachments of compatible RPM must be used with these machines.

The actual RPM of the tool must be checked every three months to ensure that the speed is as rated by manufacturers specifications.

Pneumatic powered tools must be secured to the air supply hose by an approved positive means to prevent the tool from becoming accidentally disconnected. Safety clips or retainers must be securely installed and maintained on pneumatic impact (percussion) tools to prevent attachments from being accidentally expelled.

All pneumatically driven nailers, staplers, and other similar equipment provided with automatic fastener feed, which operate at more than 100 kPa pressure at the tool, must have a safety device on the muzzle to prevent the tool from ejecting fasteners unless the muzzle is in contact with the work surface.

If an impact wrench is used, the sockets must be impact rated.

Compressed air must not be used for cleaning purposes except where reduced to less than 30 kPa, and then only with effective chip guarding and personal protective equipment in place. The 30 kPa requirement does not apply to concrete form, mill scale and similar cleaning purposes. Compressed air must not be pointed at any part of the body or used for cleaning clothing.

Airless spray guns of the type which atomize paints and fluids at high pressures must be equipped with automatic or visible manual safety devices which will prevent pulling of the trigger to prevent release of the paint or fluid until the safety device is manually released. A diffuser nut which will prevent high pressure, high velocity release while the nozzle tip is removed, plus a nozzle tip guard which will prevent the tip from coming into contact with the operator, or other equivalent protection must be provided in lieu of the above.

Abrasive cleaning nozzles must be equipped with an operating valve, which must be held open manually to enable operation. A support must be provided on which the nozzle may be mounted when it is not in use.

10.61.**Portable Electrical Tools**

The PC to ensure compliance with EMR 10 and CR 24. PC to ensure safe Portable Electrical Equipment is used on site. The PC is required to inspect/have inspected by an appropriately qualified person all portable electrical equipment as follows:

- Supply cabling distribution boards, fixed lighting, and portable appliances on a monthly basis or more frequently if required by frequency of use.
- Extension leads, welding machines, compressors, pumps, and portable hand- tools on a weekly basis.

All sub-Contractor equipment must be inspected and tested at the same intervals as indicated above. The PC must implement a management system to ensure effective inspection and control over equipment such as a monthly colour coding tagging system. Tagging must be durable and be able to withstand the stressors associated with working in a construction environment.

A record book/register must be kept reflecting the following:

- Item unique number.
- Items inspected.
- Deviations identified.
- Signature Of Inspector.
- Date of inspection.

In addition to the abovementioned, the PC must ensure the following:

- That only trained authorized persons use the Tools.
- That equipment is inspected at the start and end of each shift and included in the DSTI.
- That damaged, unsafe equipment is removed from service, tagged unsafe for use until repaired and returned to service.

10.62.**Public Safety and Security****Hoarding/Fencing**

The PC must hoard/enclose the construction site to prevent unauthorised entry and disruption to the site where required. The hoarding must be as follows:

- The hoarding/ enclosure must be at least **1.8-meter-high** and must enclose the entire parameter of the site.
- It must be constructed of a material, which must be able to prevent unauthorised persons from entering the site such as welded mesh/ diamond mesh and 80% shade cloth.
- A Lockable gate must be at least 1.8 meters in height as well a security staff member to control access.
- Hoarding parameters must be as per project's decanting plan.

Warning / informative signs

The entrance of the site must have easily visible construction safety warning signs posted which must contain as a minimum of the following information:

- Construction activities ahead/ Construction Site.
- No unauthorised entry.
- Different Types of Personal Protective Equipment required for the site as per risk assessments.
- Speed limit (10 km/h), unless otherwise stipulated.
- Visitors to report to the site office.
- Where applicable the Construction Permit Number issued by DEL.

Appropriate warning signs must also be posted in different locations of the site to create awareness of danger e.g., demolition in progress sign, required PPE and deep excavations signs etc.

Informative signs indicating the Emergency Assembly Point/s, location of fire extinguishing equipment and first aid equipment must be displayed where required.

Location of site office

The location of the site office should be in an area that will not require visitors to pass through or enter areas where construction work is active and will not require the re-location of the office as the project progresses. The location of the site office must be included in the Site Layout Plan submitted with the SSHSP.

10.63.	Risk Assessment of Plant and Equipment
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The PC must ensure that Risk assessments of plant and equipment is undertaken and documented before arrival at site, after major service, after modification, and before use in an unusual operating mode or conditions. The RA's must be undertaken by a suitably qualified and experienced person.

RA's for equipment mobilising to Site must be conducted prior to the equipment arriving on Site, and must consider, where applicable, potential for entanglement in moving parts, crushing or striking by moving or falling objects, cutting or stabbing by sharp objects, high pressure fluids, electrical shock or burns, burns from hot or cold surfaces, slips, trips and falls, ergonomic design of access and egress, seating, vibration, noise, exhaust fumes, etc.

The identification of hazards should consider normal operations, abnormal or unusual operations, breakdowns, and servicing operations. Particular attention must be given to fall protection attachment points when there is a requirement to work where a fall risk exists for activities such as repairs to equipment due to breakdowns. Where repairs to earthmoving equipment must take place on site the risk assessments must include provisions to deal with oil, diesel, and coolant spillages.

The PC must maintain all Plant and Equipment in good order and condition. Where equipment becomes inoperable due to breakdowns or other reasons and is being replaced by other equipment the same RA' requirements will be applicable to such replacement equipment.

The CHSR may inspect items of plant or equipment brought to site by the PC for use on site. Should the CHSR deem that it is inadequate, faulty, unsafe or in any other way unsuitable for the safe and satisfactory execution of the work for which it is intended, he must advise the Contractor in writing and the Contractor must forthwith remove or have

repaired the item from the site and replace it with a safe and adequate substitute which does not entitle the PC to any additional claims or extension of time in respect of delays caused by the CHSR's instructions.

10.64.	Roof Work
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In accordance with the OH&S Act - General Safety Regulation 10, the Principal Contractor (PC) must ensure safe access for workers gaining access to roofs and implement necessary safety measures.

1. Safe Access to Roofs:

- Safe access to the roof must be provided using suitable equipment such as:
 - Ladders
 - Scaffolding
 - Man-cages
 - Elevated work platforms
- Man-cages and elevated work platforms may only be used when ladders and scaffolding are not suitable or safe.

2. Lifeline Installation and Use:

- A lifeline, consisting of a steel wire rope, must be installed along the ridge of the structure. The diameter of the wire rope must be calculated based on the span and the number of people attached to it.
- A mechanical tensioning device (e.g., a turnbuckle) must be used to ensure the wire rope is securely tensioned.
- The lifeline installation must be documented in a register and inspected daily by a **competent, appointed person** to ensure its integrity and safety.
- Workers must be clipped onto the lifeline via their safety harnesses while working on the roof.

3. Weather Restrictions:

- No roof work may be permitted during rain or in windy conditions exceeding 30 km/h.

4. Roof Material Handling and Storage:

- Roof structures must not be overloaded with roofing materials.
- Only roofing bundles required for immediate use should be stacked on the roof.
- All materials must be sufficiently secured to the roof structure to prevent them from being blown away or falling off.
- **No materials** should be stored on the roof structure over weekends or during public holidays.

10.65.	Safety meetings: Pre-start, Review etc.
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The PC must ensure compliance with OH&S Act, Section 19. Weekly Toolbox meetings must be conducted with employees. Topics for Toolbox Meetings must be pertinent to the site, equipment used, activities performed, SHE committee resolutions. Records of contents of Toolbox Meetings as well as attendance records must be kept on the SSHSF.

The PC must conduct at least one formal Health and Safety Meeting per month or at shorter intervals if required by the CHSR. Safety Representative Inspection reports contents must be discussed in addition to items such as Safety Statistics for the Month, PPE Issues, training requirements, CHSR Audit reports and results etc.

Daily Safe Task Instructions (DSTI) briefings must take place with each work team before the start of each shift. Hazards and risks as well as the required risk reduction measures must be communicated to workers. The Supervisor, CHSO and workers must sign the DSTI before work commences. At the end of the shift after the required close out check and signing, the DSTI's must be signed off and filed.

Weekly Safety Review Meetings of all safety related aspects of the week must be conducted. OHS must be a standing item on Planning and Progress Meeting Agenda's and attended by the CHSO.

10.66.

SHE Representatives and Committees

Designation of OH&S Representatives (Section 17 of the OH&S Act)

Where The Principal Contractor employs more than 20 persons (including the employees of sub- contractors) he has to appoint 1 (one) OH&S representative for every 50 employees or part thereof. This is a minimum (legal) requirement. The Principal Contractor may at his own discretion or based on the recommendations of the Client's Construction H&S Agent appoint more OH&S representatives according to site specific requirements. General Administrative Regulation 6 requires that the appointment or election of the OH&S representatives be conducted in consultation with employee representatives or employees (Section 17 of the Act and General Administrative Regulation 6 & 7). OH&S representatives shall be designated in writing and the designation shall include the area of responsibility of the person and term of the designation. OH&S representatives must be experienced, permanently employed by The Principal Contractor or his sub-contractors, formally trained and able to move freely within their designated area of responsibility.

Duties and Functions of the OH&S Representatives (Section 18 of the OH&S Act)

The Principal Contractor shall ensure that the designated OH&S representatives perform their functions in respect of the workplace or section of the workplace for which they have been appointed. These functions include: conduct continuous monitoring and monthly inspections of their respective areas of responsibility, focusing on unsafe acts and unsafe conditions and report thereon to The Principal Contractor. OH&S representatives shall participate in accident or incident investigations. OH&S representatives shall attend all OH&S committee meetings. The complete list of functions can be found in Section 18 of the OHS Act.

Appointment of OH&S Committee (Sections 19 and 20 of the OH&S Act)

The Principal Contractor shall establish an OH&S committee, which shall meet at least once a month, where two or more Health and Safety Representatives have been appointed. OH&S representatives must be appointed as OH&S committee members.

The number of managements appointed members may not exceed the number of OH&S representatives on the committee.

10.67.**CHSO Roles and Responsibilities**

The PC must ensure that the CHSO performs the following duties:

- Assist and co-ordinate the development of the SSHSP.
- Attend Project Planning Meetings.
- Assessment and approval of Sub-Contractors SSHSP's.
- Facilitation of Site HS Meetings.
- Identification of Hazards and risks relevant to the construction project through regular co-ordinated site inspections.
- Establish and maintain HS communication structures, systems, and distribution of HS specific documents to sub-contractors, compiling of project specific emergency preparedness documentation and supervising testing and evaluation of emergency preparedness plans.
- Conducting of induction training sessions.
- Evaluation of compliance by sub-contractors to project specific HS Plans and Client specification through inspections and audits.
- Overseeing the reporting and investigation of project related incidents.
- Overseeing the maintenance of all HS related records.
- Participation in management reviews of HS Systems.
- Draft and analysis of trend analysis to identify system deficiencies and incident trends, outline relevant improvements and incorporate changes into the HS management system.
- Reviewing and updating the SHE Plan.
- Ensuring that all staff, visitors, sub-contractors etc comply with the site rules and procedures.
- Ensure that no new workers or Contractors commences work without prior approval of their SSHSP or any other documentation as per required applicable legislative documentation.
- Ensuring that no work will be permitted to be performed without a valid RA and where required Method Statement as agreed with CHSR until such documentation has been approved by the CHSR.
- Any other duties as agreed between Construction Manager and/or CHSR.

The CHSO may not be removed or replaced without the approval of the CHSR, nor may the site be left unattended for more than 1 day without adequate, competent cover.

10.68.**Signage**

The PC must ensure that signage is posted on site as per site risks, legislative requirements e.g., General Safety Regulations or SANS, prohibiting entrance, specifying PPE requirements, location of First Aid Station and Fire Fighting Equipment etc. Signage must be noted on the site layout plan indicating where fixed/temporary signage is required.

Temporary electrical signage is to be included for the temporary electrical supplies. All rules or signage provided by the PC must be adhered to. Where possible wording on signage must be in English and isiZulu.

11.69.**Site Clearance**

Site Clearance activities will vary depending on the condition of the site in terms of it being overgrown, if trees must be removed if redundant materials must be removed from site etc. All site clearance activities irrespective of what it entails must be conducted under supervision and subjected to the Risk Assessment Process as well as the development of SMS's (SWP's).

Where the site is overgrown with vegetation, RA's must make provisions for the presence of snakes, poisonous vegetation, sharp objects, open trenches and excavations and insects. All tools, equipment vehicles and machinery must be in a safe working condition and operated by trained competent persons. Employees must be provided with the required PPE.

10.70.**Site Establishment**

Site establishment can only be deemed complete when the site is enclosed, signage is posted, welfare facilities have been provided, containers have been placed etc. Upon site establishment being deemed as complete the PC must refer to the "Site Establishment Checklist" under item 12.6.1 which can be found under Annexures at the end of this document. Only once all items have been ticked as being present/completed can the PC proceed with other construction activities.

The checklist as indicated above must be signed by the CHSO and the CR8.1/CR8.7 and submitted to the CHSR. Should the CHSR upon conducting a site visit/audit and find that site establishment was not completed before commencing with other construction activities the CHSR may issue instructions to cease construction work until all outstanding items have been attended to.

10.71.**Site Layout Plan**

The PC must ensure that a Site Layout Plan is developed and submitted with the SSHSP as indicated in Annexure C of this document. This document must indicate items such as Location of the Site Office, Laydown areas, Location of welfare facilities, Traffic routes, location of first aid and emergency equipment etc. After Site establishment and as the project progresses the plan must be updated if required and a copy provided to the CHSR. The Location Plan must be displayed at the entrance to the site as well as at the site office.

10.72.**Site-Specific Health and Safety Rules**

The PC must provide and ensure implementation and compliance with the following Site-Specific Health and Safety Rules and requirements:

- Safe Access and Egress to be provided to and from work areas.
- Good Housekeeping and Stacking Practices to be implemented and always maintained.
- Continuous cleaning to take place especially at the end of the shift and be recorded in DSTI "close out" Section.
- Safe and orderly routing of electrical cables and air hoses to prevent tripping of persons must be always enforced.
- Rigging Studies must be conducted for all heavy and/or difficult lifts.

- No lifting of loads in windy conditions exceeding 30 km/h depending on RA, Rigging Study, dimensions and weight of the load and lifting capability of the crane.
- Prohibition of certain activities in wet conditions e.g. un-shored excavations, use of portable electrical equipment, elevated work, roof work etc.
- Employees may not be transported on the back of a bakkie and or truck, unless fitted with a canopy and separated by means of a barrier from tools and equipment.
- All elevated work must include compulsory use of Lifelines (unless secured to an approved fixing point), Safety Harnesses & Fall Arrestors including a height rescue system and training of rescuers. To comply with SABS-EN –353-355,358,360-365,795,813&SABS033, 1833, 341,564-567,892,1891,12277 and 4878 -Fall Right SA standards or equivalent - always attached in elevated positions and use of double lanyards.
- Scaffolding must comply with **SANS 10085-1:2024** standards. Scaffold inspectors and Erectors may not be the same person. Access ladders must be erected on the inside of frames, staggered every 2 meters with a safe landing platform. Trapdoors must be provided on working platform. Scaffold must remain tagged "Unsafe for use" until certified "Safe for use". If modified to be re-tagged "Unsafe for use: until certified 'Safe for use'".
- Where required workbenches must be provided for onsite work.
- Barricading must be able to sustain loads imposed on it, should a fully grown person fall against it or lean against it, solid frame covered with orange netting to highlight presence.
- Tools and equipment used in working at heights to be secured by use of lanyards/Tool belts.
- Minimum PPE required to permit entry onto site: Safety boots, Hard Hat and Reflective Vest.
- When grinding, welding and gas cutting operations take place Shields and extinguishers must be used to contain sparks and control fire spread. Fire watchers to be posted whenever Hot Work is conducted.
- Guide ropes must be used whenever lifting operations are conducted.
- Flagmen must wear reflective vests.
- Heavy mobile plant and earth moving equipment must be fitted with rotating lights and operated with lights on and functional reverse hooters and/back up alarms.
- Concrete buckets to be fitted with safety Chains and opening wheels.
- All portable generators and welding machines with electrical outlet sockets must be fitted with earth leakage switches.
- All electrical items used in wet conditions must be fitted with waterproof caravan type plug fittings.
- No machinery e.g. grinder designed with guards may be operated without guards unless approved by CHSR.
- All Self- Propelled mobile machines must be fitted with Fire Extinguishers, Revolving Lights and Back-up and Reverse Hooters.
- All oxygen –acetylene cylinders must be fitted with Flashback Arrestors and proper, good condition hoses and clamps in a trolley equipped with a fire extinguisher.
- Supervision ratios between Foreman and workers not to exceed 1:15 ratio.
- Staff to always wear appropriate PPE with sufficient replacements to being available.
- All employees on site to carry identification e.g. ID card reflecting the following information:
 - Initials and surname.
 - Designation.
 - Company number.
 - Name of Employer,
 - and proof of induction, sticker on hardhat unless otherwise agreed with CHSR.

Welfare Facilities to:

- Be protected from environmental conditions such as rain, sun, and wind.
- Tables and Chairs to be provided in eating areas.
- Refuse bins for disposal of food containers and food scraps.
- Hand washing facilities.

- Portable toilets 1:10 ratio.
- Separate male and female toilets with doors that can be locked from the inside.
- Running water, soap, and toilet paper to be always available at toilets.
- All facilities to be always kept in neat hygienic condition.

10.73.	Smoking on site
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The PC may not permit any person to smoke on site unless in designated area, which has clearly been identified by means of signage being posted indicating it as the designated smoking area which has been selected in accordance with applicable legislative requirements. Applicable receptacles must be provided for the disposal of cigarettes butts to ensure good housekeeping standards are maintained and prevent accidental fires being started.

10.74.	Speed Restrictions and Protections
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The maximum speed limit on site shall be limited to 10 km/h unless otherwise agreed upon with the CHSR. Vehicle movement routes on site must be clearly indicated where applicable and indicated on the Site Layout Plan.

Signage to ensure the safe movement of vehicles on site, as well as to ensure the health and safety of all employees and visitors on site, must be displayed in strategic locations.

10.75.	Stacking and Storage of Materials
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The PC must ensure compliance with CR 28 and General Safety Regulations 8. Stacking and Storage must take place under the supervision of an appointed competent person.

Storage areas must be designated, kept neat and under control. Inspections of stacking and storage areas must be done and recorded on a register which must be kept on the SSHSF. Adequate stacking, storage and lay down areas must be provided on site. If unauthorized persons can enter an area where materials are stacked, such area must be barricaded off to prevent access to such area. Stacks should not exceed the height to width ratio of 3:1.

Hazardous chemical substances must be stored in dry storeroom as per the specifications of their material safety data sheets.

No materials may be stored outside the site perimeter, unless agreed to in writing with the CHSR and Project Leader.

10.76.	Structures, Temporary Works and Scaffolding
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The Principal Contractor must ensure adherence to the provisions of CR 11 and CR 12.

A Competent Temporary Works Designer must be appointed in accordance with CR 12(1). All temporary works must be erected under the supervision of the appointed Temporary Works Supervisor, who is responsible for certifying that the structure can support the loads imposed during concrete pouring. Concrete may not be poured until written authorization is received from the Temporary Works Supervisor.

Temporary works structures must be inspected by the Temporary Works Supervisor(s) after concrete pouring and then daily until the concrete has fully cured. Temporary works materials or sections may only be removed or dismantled with authorization from the appointed Temporary Works Supervisor, in consultation with the Structural Engineer. Records of all inspections and authorizations for dismantling temporary works materials must be maintained in the SSHSF.

Scaffolding (CR 16 / SANS 10085 – 1:2024)

The Principal Contractor must ensure that all scaffolding operations are carried out under the supervision of a competent person and that all erectors, team leaders and inspectors are competent to carry out their work. The Principal Contractor must ensure that scaffolding when used and erected complies with the safety standards as per **SANS 10085-1:2024**

10.77.	Sub-Contractors
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Subcontractor Health and Safety Responsibilities

- **Responsibility:** All subcontractors are responsible for their own health and safety on site.
- **Mandatory Agreements:** The Principal Contractor (PC) must sign Section 37(2) mandatory agreements with subcontractors. These agreements will outline arrangements and procedures to ensure that subcontractors and their employees comply with the Occupational Health and Safety (OHS) Act, Act 85 of 1993, Construction Regulations (CR), and the Site-Specific Health and Safety Specifications (SSHSS).
- **Site-Specific Health and Safety Plan (SSHSP):**
 - **Requirement:** Subcontractors must develop their own Site-Specific Health and Safety Plan (SSHSP) relevant to the scope of work they will perform.
 - **Approval:** The SSHSP must be approved in writing by the PC's Chief Health and Safety Officer (CHSO). Records of these approval letters must be maintained in both the PC's and the subcontractor's SSHSF (Safety, Health, and Environmental File).
- **Commencement of Work:**
 - **Approval Condition:** The PC must not allow any subcontractor to commence work on site without their SSHSP being approved.
 - **Compliance Monitoring:** The PC is responsible for ensuring compliance with these requirements and monitoring the subcontractor's adherence. Failure to do so may be viewed as a failure to enforce good Safety, Health, and Environmental (SHE) practices and comply with the Act, CR, and SSHSS.
 - **Cease Work Instructions:** Non-compliance may result in the Client Health and Safety Representative (CHSR) issuing instructions to cease work.

10.78.	Transportation of Workers
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Transportation of Personnel and Goods

The Principal Contractor (PC) and Subcontractors shall not:

- **Transport of Goods and Tools:** Transport persons together with goods or tools unless there is a designated area or section of the vehicle, separated or partitioned from the area where workers are seated, for storing such goods or tools.

- **Transport on Truck Beds:** Transport persons on the back of trucks unless a proper canopy (adequately covering the sides and top) is provided with suitable seating areas.
- **Safety on Vehicles:** Permit workers to stand or sit on the edge of the transporting vehicle.
- **Light Duty Vehicles (LDVs):** Transport workers in a light duty vehicle (LDV) unless it is closed/covered and equipped with the correct number of seats for passengers.
- **Passenger Limits:**
 - No driver may transport more than six people on the back of a 1-ton LDV.
 - No driver may transport more than four passengers on the back of a ½-ton LDV.
- **Cab Occupancy:** The driver of any LDV may not permit more than two passengers to occupy the cab of the LDV.
- **Driver Licensing:** Drivers must possess a valid driver's license for the vehicle code they are operating.

10.79.	Trespassing
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The PC and his employees may not trespass on any land/area outside the limits of the site, as indicated at the time of Site Handover, and must communicate such requirement to his sub-contractors. The PC must ensure that all fences are maintained during the Contract.

The PC and his employees are required to work only in the specified construction areas and access to these areas is only by specified routes. Should access routes change due to work related issues on site such routes with applicable restrictions must be communicated to the employees. Changes in routes must go with the required barricading and signage to prevent unauthorised persons from using such routes to access the site where such routes may enable unauthorised persons from entering the site,

Where changes in routes may have a negative impact on the day-to-day functions of persons other than that of the PC such changes in routes must take place in consultation with such affected parties.

10.80	Toolbox Talks
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The contractor must prepare a Toolbox Talk on a weekly basis and must share it with all personnel for which the contractor is responsible (including all sub-contractors). Toolbox Talks must address health and safety issues that are relevant to the work performed on the project site and must include information and / or knowledge sharing, lessons learnt from incidents that have occurred, information concerning specific hazards and / or risks and control measures to prevent injury, etc.

Attendance records must be kept and maintained in the contractor's SSHSF.

10.81.**Vehicles and Traffic Management**

The Principal Contractor (PC) must ensure compliance with the OHS Act - Construction Regulations 23 and ensure that all vehicles entering, moving around on, parked on, and exiting the site do so in a safe manner. In addition to these requirements, the following must be adhered to:

- **Parking Outside the Site:** Vehicles parked outside the site area must be positioned so as not to obstruct the movement of public vehicles or endanger the public in any way.
- **Compliance with Safety Directions:** Contractors' vehicle drivers must comply with all safety directions and speed signs.
- **Securing Loads:** Drivers must ensure that vehicle loads are properly secured before setting the vehicle in motion.
- **Authorized Vehicles:** The Contractor must only permit the authorized and necessary number of vehicles on site.
- **Adherence to Traffic Rules:** Traffic rules and signs, such as speed signs and stop signs, must always be obeyed.
- **Engine and Key Security:** No vehicles may be left with the engine running or the keys in the ignition.
- **Warning Signage:** Warning signage must be posted at the outside entrances of the site to alert road users of vehicles entering or exiting the site.

10.82.**Ventilation**

The PC must implement and comply with OH&S Act - Environmental Regulation 5. Any activity/task, which generates excessive dust such floor sanding, or fumes, such as welding where natural ventilation is not sufficient to ensure the provision of a safe working environment must include the use of an exhaust extraction system. Care must be taken to ensure that outlets of exhaust extraction system do not pose a risk to the health and safety of other persons on or outside the site or contaminate other ventilation system intakes.

10.83**Vibration**

As far as is reasonably practicable, exposure to vibration must be eliminated. However, if this is not possible, short-term solutions to decrease exposure include:

- Reducing the vibration levels.
- Removing the person from the vibrating equipment / tools.
- Reducing the period that the person works with the vibrating equipment e.g., at least 40 minutes break after 20 minutes working with a machine that vibrates excessively.

To reduce exposure to vibration:

- Consider buying equipment that operates effectively at lower speeds.
- Buy equipment with built-in damping materials.
- Buy lighter tools if they are available - they require less of a grip.
- Maintain the equipment.
- Make sure equipment is balanced and there are no worn parts.
- Use remote controls when they are available.

- Workers must be informed to reduce their grip on the equipment when it is safe. The less time they have their hands on the equipment the better. They need to relax their hands during these brief breaks.

10.84.	Visitors to Site
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The PC must ensure that all Visitors to the site are subjected to a site-specific safety induction training session prior to being allowed access to site. Visitors are required to conform to the Site PPE requirements and should arrive at site with the appropriate PPE, with the minimum being safety boots/shoes, hard hat and a vest.

Visitors must not be permitted to roam around on site without being accompanied by a representative of the PC, so as to make them aware of on-site hazards, risks, No-Go areas etc.

10.85	Waste Management
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The PC must ensure that a Waste Management Plan must be developed which must be submitted with the SSHSP as indicated in Annexure C. It must be kept in mind that a site with areas overflowing with waste creates health hazards, attracts rodents and a poor image of the company.

Sufficient receptacles and designated stored areas must be provided which must be cleared frequently. Consideration must be taken of the types of waste generated and where required waste separation must form part of the Waste Management Plan. Environmentally hazardous waste such as empty paint tins, fluorescent light fittings, asbestos etc must be disposed of in line with applicable legislative requirements.

10.86.	Water Management
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The PC must keep in mind that South Africa is a country with limited water resources. Water may only be obtained on site, as per contract stipulations. The PC may not make unauthorised water connections. Where water is brought onto site by means of water tankers the PC must ensure that the water is suitable for its intended use.

The PC must communicate to all workers the importance of water conservation and management. Run-off water from washing and cleaning activities must be managed in a controlled manner to not create areas where water becomes stagnant contributing to the creation of areas for mosquitos to breed. Run-off water must also not contribute to the creation of slippery surfaces. It is recommended that taps are of the press-button type to reduce water wastage.

No hazardous substances such as paints, oils etc may be disposed of into drains, and sewers.

10.87.	Welding, Grinding, Cutting etc.
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The PC must comply with the requirements of the OHS Act-Construction Regulation 29. The Pc must also ensure the following:

- That all equipment used is in a safe working condition.
- That Hot Work Permits have been issued by the appointed Competent Person.
- That where required the necessary screens have been erected to protect against harmful rays and sparks.
- The presence of close proximity fire extinguishing equipment.

- Dampening down takes place where required.

10.88.

Welfare Facilities

The PC must implement and comply with Construction Regulation 30. PC to ensure:

- Sufficient chemical ablution facilities on site where connection to existing sewer system is not possible.
- Separate facilities must be provided for males and females with gender signs posted at entrance or on door.
- Ablutions must be serviced weekly as a minimum.
- Safe drinking water must be provided to employees.
- Safe, clean storage areas for workers personal belongings and clothing to be provided.

10.89.

Working at Heights

Compliance with Construction Regulation, Section 10

The Principal Contractor must ensure compliance with Construction Regulation Section 10. This includes:

1. **Fall Protection Plan:** A Fall Protection Plan, developed by a competent person designated as the Fall Protection Plan Developer and registered with the Institute of Working at Heights or a similar body, must be available on site. All employees working from fall risk positions must understand this plan. Employees must protect themselves from falls by wearing a full-body harness with the lanyard attached as high as possible above their head to a lifeline or other approved and tested anchor point.
2. **Fall Risk Activities:** The following activities are considered fall risk and must adhere to Section 10 of the Construction Regulations:
 - Working on the edge of an excavation with a risk of falling into it.
 - Working on the edge of a vertical drop with a risk of falling.
 - Working on top of trucks.

For these activities, the hierarchy of controls must be implemented. As a minimum, employees must wear PPE, including a full-body harness attached to a restraint.

3. **Documentation and Training:** Before work commences, the Principal Contractor must ensure that method statements, appropriate risk assessments, safe work procedures, and training are in place. All workers exposed to fall risk must complete formal SAQA-accredited "Working from Height/Fall Risk Position" training.
4. **Fall Restraint Systems:** Whenever possible, fall restraint systems should be used, except during the assembly or dismantling of top components where it is not deemed safe. Relevant SANS codes applicable to the works and the project, such as SANS 10085, SANS 50355, and SANS 50361, must be followed.
5. **Contracted Work:** If any work is contracted out, a competent contractor must be appointed, and documentation must meet project requirements. The Principal Contractor must note this in the H&S Plan. The Plan should be developed and managed by a competent person for the project's duration.
6. **Additional Requirements:**
 - Notices must be posted.
 - Restrictions or stoppage procedures must be in place when weather conditions are hazardous.
 - A permit system for working from fall risk positions must be established.
 - Measures to prevent falling tools or equipment must be implemented.
7. **Certificates of Fitness:** All workers must have valid certificates of fitness that cover the duration of the works. The requirements for medical surveillance and relevant SANS codes must be adhered to. Registers and all relevant documentation should be kept in the H&S file.
8. **Qualifications for Fall Protection Planner:** The Fall Protection Planner must have at least the following qualification:
 - Accredited SAQA Unit Standard 229994

Additional OHS Considerations

Working in Inclement Weather

Early Warning System

The Principal Contractor (PC) shall implement an early warning system to identify inclement weather and mitigate its potential negative implications on the safety of employees and other persons visiting the site. The early warning system must, at a minimum, provide for the following:

Construction Work During Electrical Storms

- All employees must be removed from heights and be kept as safe as possible during electrical storms.
- No work is allowed on the construction site during electrical storms if employees cannot be adequately protected. Protection measures include:
 - Staying in an eating area fitted with a lightning mast or workshops
 - Remaining inside buildings
- No work is allowed on open structural steel, even when earthed, during electrical storms.
- Work is prohibited at heights when lightning is within a 10-kilometer radius.
- After inclement weather, on site risk assessments must be reviewed to include wet conditions.

Construction Work During Rain

- Electrical tools must not be used during rainy weather in open areas.
- Work may proceed in waterproof areas where there is no risk of electrocution.
- Areas cleared for work during rain include workshops, offices, and ground-level work areas, provided they are maintained in a safe, dry condition.

Driving in Inclement Weather

The PC shall ensure that the risk of driving in wet conditions is adequately covered in a risk assessment, which will include, but is not limited to:

- Route planning
- Speed reduction
- Planning for emergencies
- Driving precautions for slippery surfaces
- Visibility hazards

Working Underneath Overhead Lines

- The PC must comply with local authority standards for working close to and under overhead lines.
- A risk assessment must be undertaken, considering situations that could lead to danger from the overhead wires (e.g., standing on a machine to lift a long item above one's head or a load on a low truck breaching the safe clearance distance). Precautionary measures must be taken if such situations could exist.
- Where there is a risk of contact, such as with the upward movement of tipper trucks or employees carrying tools and equipment, the PC should carefully assess the risks and precautionary measures.
- Vehicles, plant, machinery, equipment, or materials that could reach beyond the safe clearance distance should not be taken near the lines.
- No part of plant or equipment, such as ladders, poles, and hand tools, may be used within the danger zone or come into contact with the lines.
- The PC should account for uncertainty in measuring distances and unexpected equipment movement, such as due to wind conditions.

- Long objects should be carried horizontally and close to the ground, and vehicles should be positioned so that no part can reach into the danger zone, even when fully extended.
- Construction vehicles and plant working under overhead lines, such as excavators and TLBs, should be modified by suppliers with suitable physical restraints to prevent reaching beyond safe clearance distances. Measures should be in place to ensure these restraints are effective and cannot be altered or tampered with.
- Operators of high machinery should be instructed not to work on top of machinery near overhead power lines.
- Ensure that employees, including subcontractors, understand the risks and are provided with instructions about risk prevention measures.
- Arrange for work to be directly supervised by a competent person who is familiar with the risks and can ensure that required safety precautions are observed.

Exposure to Poisonous Animals or Insects

When construction work is undertaken where employees or visitors could be exposed to poisonous animals or insects, the PC shall ensure that:

- The emergency procedure includes effective treatment for bites or stings from poisonous animals and insects, including obtaining contact details of the nearest medical unit that can treat such exposures and making arrangements with this service provider for a swift response.
- Confirmation is obtained from this medical unit that they have antivenom reserved for treating snake bites or scorpion stings.
- Competent first aiders are available to facilitate treatment for bites or stings.
- Potential exposure to poisonous animals or insects and awareness thereof are discussed with all employees during toolbox talks and general awareness training, and with visitors as part of the pre-site visit induction process.

Water Environments

In compliance with Construction Regulation, Section 26:

- The PC must ensure that life jackets are part of employees' PPE and are worn when there is a risk of drowning from falling into water.
- The risk assessment must include provisions for rescuing persons in danger of drowning and preventing employees from falling into the water.
- When working next to a river, the PC shall implement a system to monitor the river water level to evacuate employees in case of a flood.

Night, Weekend, Overtime Work, and Fatigue

1. The site risk assessment must include a fatigue risk assessment, covering rostering risks, personal risks, and work environment risks for all employees. Abnormal working hours must be included in this assessment.
2. Rostering risk controls must include maintaining an up-to-date working schedule for all employees on site, documented in the employee register.
3. A fatigue management procedure addressing all rostering, personal, and work environment risk controls must be defined in the H&S Plan.
4. Night, Sunday, public holiday, or overtime work shall not be performed unless authorized by the client. Traffic controllers may work 24/7 if required by the traffic management plan.
5. Night work by traffic controllers shall be planned and executed to ensure:
 - The safety and security of night traffic controllers.
 - Sufficient lighting for safe work.
 - Provision of thermal gear during winter months.
 - An emergency backup security and traffic safety system is on call during night and weekend shifts.

- Rostering practices account for travel times for controllers working 12-hour shifts.
- 6. For planned overtime or weekend work, the PC must ensure that a construction manager or supervisor is on site, even if only contractors or subcontractors are working.
- 7. For planned overtime or weekend work, each contractor or subcontractor must ensure that their construction supervisor is on site, even if the PC's manager or supervisor is present.

Contractors and Subcontractors, Including Targeted Enterprises and/or QSE/EME Subcontractors

1. Contractors and subcontractors must receive a copy of this H&S Specification and any additional specifications issued by the client and must comply with these specifications integrally. All employers on site must conform to the standards in the CHSS. The duties of the Principal Contractor in the CHSS apply fully to the contractors and subcontractors.
2. **Specialized Contractors:**
 - Every contractor must document their experience in the scope of construction work for which they are appointed.
 - Every contractor's designated Section 8(2)(i) appointee, supervisor, and risk assessor must have knowledge, training, and experience specific to the scope of work, with documented competence in the H&S Plan.
3. Each contractor's and subcontractor's H&S plan must integrate the Principal Contractor's health and safety plan. Amendments and additions may be made where risks not addressed in the Principal Contractor's plan are identified. The PC must ensure that all contractors and subcontractors plan their work in an H&S Plan approved by the PC, in accordance with Annexures A and B.
4. Targeted Enterprise and/or QSE/EME subcontractor H&S planning must be incorporated into the Principal Contractor's health and safety plan, formulating risk controls for all identified risks. The Principal Contractor's plan must be made available to all Targeted Enterprise and/or QSE/EME subcontractors as a coherent, sufficiently documented plan.
5. The PC's Construction Manager and/or health and safety officer must assist Targeted Enterprise and/or QSE/EME subcontractors with their H&S plans and legal documents. The Targeted Enterprise and/or QSE/EME subcontractors remain responsible for ensuring legal documents, contractual H&S conditions, and compliance standards are met.
6. The PC must ensure that all contractors and subcontractors comply with their H&S Plans, the OHSA, and all relevant legislation.
7. Regular planned task observations, H&S inspections, and monthly audits of all contractors and subcontractors must be recorded and filed in the PC's H&S File for inspection by the client H&S Agent.
8. The PC must maintain a comprehensive and updated list of all contractors and subcontractors on site in the H&S file, including:
 - References to agreements between parties, including all Section 37(2) agreements with the Principal Contractor.
 - The type of work being done.
 - The date of H&S plan approval.
 - The expiry date of the COIDA certificate of good standing.
 - The date of the last monthly audit.
9. This contractor list must be forwarded monthly to the Engineer.
10. The Principal Contractor's H&S Plan must include procedures to ensure that all contractors and subcontractors fully comply with H&S requirements. This includes defining the submission, assessment, and approval method (including the nominated responsible person) for subcontractor H&S Plans and signing a Mandatory Agreement with the client.

Please note that this is a Baseline Risk Assessment, Contractor to perform detailed Issue Based and Continuous Risk Assessments in the sequence of the activities anticipated of being performed.

Project:		GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL- NEW 28 BEDDED MALE AND FEMALE INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT:WIMS: 048152												
		Construction of 28 Bed medium to long stay mental health units, OPD Section, Admin (manager's) Offices & Stores, Consulting Rooms & Treatment Rooms + Pharmacy												
REF NO	LIKELIHOOD		CONSEQUENCE		RISK ASSESSOR	REVISION		0	DATE		RISK RANKING			
Ref Nr	Activity	Potential Hazard	Potential Risk	S	H	E	Pure Risk	Mitigation Measures	Residual Risk	Risk Ranking	RANKING			
											RISK = LIKELYHOOD X CONSEQUENCE		Score	
											1	Negligible	1	0-5
											2	Minor	2	6-10
											3	Moderate	3	
											4	Major	4	17-20
5	Severe	5	21-25											
1	Driving to and from site.	Driving on congested roads. •Excessive speeds/ Driving Recklessly. •Fatigue. •Other vehicles driving unsafely. •Vehicle Collisions •Inclement Weather. •Slow moving plant.	•Severe Injuries (broken bones, lacerations, etc) •Death. •Vehicle Collision: o Damage to Vehicles o Equipment/ Property.	x	x	x	4x5=20	1. Driving to and from site: •Driving on congested roads. •Excessive speeds/ Driving Recklessly. •Fatigue.	2x5=10	2				

					•Reduced vision leading to road accidents. •Hydrocarbon Spills cause ground water, rivers and water way contamination. •Hydrocarbon Spills Creating Slippery road surfaces. •Motorist collisions with slow moving plant.					•Other vehicles driving unsafely. •Vehicle Collisions •Inclement Weather. •Slow-moving plant. •Severe Injuries (broken bones, lacerations, etc) •Death. •Vehicle Collision: ◦ Damage to Vehicles ◦ Equipment/Property. •Reduced vision leading to road accidents. •Hydrocarbon Spills cause ground water, rivers and water way contamination. •Hydrocarbon Spills Creating Slippery road surfaces. •Motorist collisions with slow moving plant. •All Drivers Licences must be valid in order to drive any vehicle. •All drives are to be warned about the road conditions. •All passengers are to remain seated at	
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ensure speeds are kept to a safe limit giving the driver enough time to make an emergency stop (i.e. drive to the conditions, not to the speed limit of the road, and keep your distance from the vehicle in front of you using the 2-3 second rule).	•Keep to safe speed limit of 15km/h when driving on site.
•Drivers are to drive a safe distance away from the roads edge to avoid the vehicle losing control (Includes no Yellow Line Driving).	•If visibility is impaired your headlights must be on to see and to be seen.
•Vehicles must have Warning Triangles and reflective vests in the event of a breakdown.	•All Vehicles and Plant must be regularly serviced

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containers/ aprons around containers. - Temporary electrical connections for Site Office.	• ☐ Cement. • Working at heights/ From a Fall Risk Position. • Temporary Electrical Connections. • Inclement Weather. • Smoking/ Open Fires • Sun • Vibration (vibrating concrete). • Overhead Power Lines & Services (i.e. Telkom/ Street Lighting & Power cables).	• Possible Tick Bites causing tick bit fever/ Lyme disease. • Vehicle Collision & Damage. • ☐ Collisions with Pedestrians. • Material Damage. • Equipment Damage. • ☐ Collision/impacts of mobile lifting equipment, loads and dropped loads with process plant, electrical cables and people. • Mechanical Aids • Overturning causing death, injury or damage to equipment/ materials. • Slips, trips and falls from uneven surfaces. • ☐ Hydrocarbon spills from refuelling area & or vehicle/plant leaks. • Pinch points from plant. • ☐ NIHL (Noise induced hearing loss). • ☐ Chemical burns/ contact dermatitis from cement and eye injuries from cement splashes. • Worker falling from heights/ Fall risk positions causing death or serious injury. • Possible Electrocution from working with/				1/3 body weight or 25kg). • Contractor to conduct DSTI's (Daily Safety Task Instruction) to be conducted and communicated at the beginning of the shift on a daily basis. DSTI close out to be conducted and attendance registered signed by all staff. • Ensure Off loading area is clear, level, secure and free from slip trip and falling hazards. • Stacking & Storage Supervisor to be appointed to control lay down areas. • All workers to have valid medicals with annexure 3 documents signed and stamped by Occupational Medical Practitioner. • Stacking and Storing to only be in designated areas and Contractor to develop and implement Stacking & Storing	
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installing temporary electrical connection. •Lightning Strike causing death, or severe burns/ injuries. •Rain causing slippery conditions. •Heat stroke from being exposed to the sun for too long and sun burn. •Bush Fires caused by cigarettes/ open fires causing smoke inhalation, possible death, burns, and damage to property. •☐ HAVs (Hand Arm Vibration: permanent damage to dexterity of fingers, finger blanching) and WBV (Whole Body Vibration: back pain, long term can cause lumbar spinal damage also including the neck and shoulder region, musculoskeletal disorders, and motion sickness). •Mechanical Aids: Plant/ Cranes coming into contact with Overhead Services causing death, serious injury or damage.	
Guidelines for temporary items such as Ventilation, Lighting, Manoeuvring Space, Stacking Requirements, Emergency Exits, Access & egress, etc. •Keep to safe speed limit 15km/h when driving on site. •Supervisors to brief staff on snake awareness and First Aid Officers must be familiar with contractor's snake bite procedures. •Supervisors to be trained in capture and release of snakes (snakes must not be killed). •Posters and awareness campaigns must be conducted for snakes, bees, tick, etc and must be regularly discussed in toolbox talks. •Snake catching kit to be on site to facilitate catch and release of snakes. •Local Hospital to be contacted and	

provision of common anti-venom to be stocked at hospital is mandatory. •Supervisors to brief staff on bee and wasp awareness and First Aid - Officers must be familiar with contractor's bee and wasp sting procedures. •Supervisors to brief staff on tick bite awareness and First Aid - Officers must be familiar with contractor's tick bite procedures (i.e. If ticks are found, be patient when removing a tick from your skin, follow these steps: 1. Use Tweezers to grab the tick close to your skin, 2. Gently pull back, making sure the tick's head is not left in your skin. 3. Don't squeeze the tick's body, if you do the bacteria may enter your skin. 4. After removing the tick, wash the bite

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operating machinery on site.	Inspection & Maintenance records must be maintained for all mechanical aids on site.	•Mechanical Aids must be operated in accordance with the operators training and manufacturers guidelines (e.g.: outriggers must be fully extended, correct dunnage used under outriggers, Safe Work Loads (SWL) must be observed, work area below lifts must be clear and nobody is to walk under load or load be lifted over people, etc).	•Delivery driver must comply with Site PPE Rules or must not get out of the cab.	•Spotter to guide Mixer truck where pour should take place.	•Operator of the concrete chute must wear hand
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protection (PVC Gloves), safety glasses and full face shield at all times when discharging/working with concrete. • ☐ Concrete Chute on concrete truck must have handles. • ☐ Concrete spillages to be cleaned up and concrete truck to chute to be cleaned in demarcated catchment area to ensure concrete spills are contained. • An onsite Hydrocarbon spill kit will be required. • Any hydrocarbon spills will be cleaned up with the on site hydrocarbon spill kit and contaminated waste material will be disposed of through registered service providers/ landfill sites. • Suitably qualified and competent riggers must be appointed. Riggers certificates must									
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					indicate level of rigging competency and must be an accredited course. Rigging study (where required) must be in place and signed off by the rigging team. •All drives are to be warned about the road conditions. •All passengers are to remain seated at all times with seatbelts fastened. •At no time will passengers be allowed to ride on the back of an open vehicle, van, truck or trailer. •☐ Riding on Plant will not be permitted. •☐ Drivers are to be wide awake and should not be allowed to drive if they are feeling tired or sleepy and regular driving breaks at least every 2 hours should be taken to prevent driving fatigue. •It is recommended to have an
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equipment/plant – Hearing Protection to be worn by all workings in the immediate vicinity of the noise generating equipment/plant. •Supervisor to instruct the operator of the portable electric tools on the correct way to use them. Safe Operating Procedures are to be drawn up per Portable Electric Tool by contractor. •Fall Protection Plan must be drafted, communicated and Implemented an appointed, competent and qualified Fall Protection Planner (CR10.1a) who holds a valid certificate accredited by SAQA US229998 &229994 and must be registered with a professional body such as the IWH (Institute for Working at Height).
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Electrical	Installations and records the findings on the relevant inspection registers for the duration of the project until the temporary electrical feed has been isolated and disconnected. •Smoking Areas must be set up in demarcated areas with signage, sand filled bucket/ drum and a fire extinguisher. No open fire will be permitted on site of any kind. •Fire Extinguishers/ fire fighting equipment must be available on site in sufficient quantity and located close enough to work areas. •Fire Marshals must be appointed and emergency procedures to deal with Fires and other emergencies to be communicated to all staff – Coordinating Site Emergency Procedures with the
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Stanger Hospital Emergency Procedures will be required.	• A Safe Work Procedure dealing with Lightning must be developed by the contractors dealing with the 30-30 Rule, what must be done, when work must be stopped, first aid, use of lightning detectors for early warning, etc. • An MSDS Register must be maintained for all chemicals on site along with the respective MSDS documents. This includes MSDS for cement, fuel, oils, cleaning products, emulsions, chemical anchors, etc. All MSDS must be readily available to all staff on site. - All chemical products must be kept and stored in accordance with the MSDS requirements. • ☐ During Hot periods, regular
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					breaks must be taken. Drinking water must be made available on site close to work areas. Sun block lotion must be provided and applied to exposed skin, long sleeve overalls to be worn and brim hats fitted to hard hats made available. • ☐ Resting and eating areas must be provided near at site camp area in accordance with the Facilities Regulations 2004 and Construction Regulations 2014 (CR30). • Employee/operator exposure to vibrating equipment/plant to be kept within the machine/plants EAV (Exposure Action Value) and ELV (Exposure Limit Value). • Ensure mechanical controls are maintained to prevent WBV (e.g.	
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					suspension seats in good working order, vehicle suspension maintained, etc). •Passageway barriers (height restricting barriers) to be erected near power lines with height restriction height detailed in meters. •Barriers to be placed parallel to the power lines to prevent plant/mechanical aids from getting too close to the overhead power lines. The distance required will be determined by the reach on the plant to be used on site and the minimum free space required preventing arching/contact with the powerlines. •Warning Signage must be erected to warn operators/workers of the overhead power line dangers. • ☐ No plant to operate underneath or within 10meters
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	3. Site & Lay down Area Fencing/ Hording : -Digging Holes using pick and spades. -Concreting fence poles. -Mounting fencing/ hording using hand tools, portable electric drill and ladders (where required).	•Manual Handling of materials. •Dust. •Snakes. •Bees & Wasps. •Possible Ticks. •Moving vehicles. •Cement. •Noise. •Working at heights: Ladder work. •☐ Underground services. •Inclement Weather. •Smoking/ Open Fires. •Sun.	•Manual handling injuries. •Dust being inhaled causing respiratory diseases or getting in eyes causing eye injuries. •Snake Bites (Common venomous Kwa-Zulu Natal Snakes: Black mamba, Puff Adder, Boomslang, Rinkhals, Green Mamba, Forest/Black Cobra, Night Adder, etc). •Bee & Wasp Stings causing Anaphylaxis (allergic reaction)	x x x x	4x4=16 2x2=4 2
				of either side of the power line, unless it has been de-energised and locked out with confirmation from electrical supplier and double checked by the contractor's electrician. •Provide PPE: Safety Boots/Shoes, Hard Hat, Dust Mask, Eye Protection, Reflective Vest, 2 Piece Long Sleeve Overall, Gloves, double lanyard safety harness	

•Possible Tick Bites causing tick bit fever/ Lyme disease. •Vehicle Collision & Damage. •Collisions with Pedestrians. •Material Damage. •Equipment Damage •Cuts, lacerations and eye injuries from clearing bush and placing fencing. •Slips, trips and falls from causing sprains and minor injuries. •Chemical burns/ contact dermatitis from cement and eye injuries from cement splashes. •NIHL (Noise Induced hearing loss). •Falls from ladders causing death or serious bodily injury •Possible electrocution from existing underground services. •Damage to underground services. •Lightning Strike causing death, or severe burns/injuries. •Rain causing slippery conditions. •Heat stroke from being exposed to the sun for too long and sun burn.	•Contractor to conduct DSTI's (Daily Safety Task Instruction) to be conducted and communicated at the beginning of the shift on a daily basis. DSTI close out to be conducted and attendance registered signed by all staff. •Ensure Off loading area is clear, level, secure and free from slip trip and falling hazards. •Stacking & Storage Supervisor to be appointed to control lay down areas. •All workers to have valid medicals with annexure 3 documents signed and stamped by Occupational Medical Practitioner. •Stacking and Storing to only be in designated areas and Contractor to develop and implement Stacking & Storing
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4.	Demolishing of existing structures including but not limited to: -Asbestos may be present in a small amount -Walls -Electricity disconnection -Underground services	•Manual Handling of equipment and materials. •Dust/ asbestos dust. •Moving vehicles. •Noise. •Vibration •Inclement Weather. •Underground Services (Power and Water) •Fuel (Petrol & Diesel) •Sun •Traffic from staff in existing buildings.	•Manual handling injuries. •Dust being inhaled causing respiratory diseases or getting in eyes causing eye injuries (silicosis and or asbestosis) •Collapse of under ground service ducting/pipes causing plant/scaffolding collapse	x	x	x	x	4x5=20	MSDS requirements. •During Hot periods, regular breaks must be taken. Drinking water must be made available on site close to work areas. Sun block lotion must be provided and applied to exposed skin, long sleeve overalls to be worn and brim hats fitted to hard hats made available. •Provide PPE: - Safety Boots/Shoes, Hard Hat, Dust Mask, Eye Protection, Reflective Vest, 2 Piece Long Sleeve Overall, Gloves	2x6=12	3
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•Working at Heights/ Fall risk position. •Scaffolding. •Electricity. •Hand Tools •Portable Electric Power Tools	Slips, trips and falls cause sprains and minor injuries. •NIHL (Noise Induced hearing loss). •HAVs (Hand Arm Vibration: permanent damage to dexterity of fingers, finger blanching). •Lightning Strike causing death, or severe burns/injuries. •Rain causing slippery conditions. •Electrocution causing death, serious injury and/or burns. •☐ Heat stroke from being exposed to the sun for too long and sunburn.	always carry load close to the body, adhere to the recommended weight limit (RWL = 1/3 body weight or 25kg). •Removal of asbestos to be conducted by competent AIA who is a Registered Asbestos Contractor with the Department of Labour. •An asbestos management plan must be drafted by the appointed AIA and approved by the clients H&S Agent before any asbestos work may commence or before any work near or connected to ACS (Asbestos Containing Substances) on site. •Health monitoring including air quality monitoring during asbestos work will be required. •Contractor to conduct DSTI's (Daily Safety Task
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Instruction) to be conducted and communicated at the beginning of the shift on a daily basis. DSTI close out to be conducted and attendance registered signed by all staff.												
•Supervisor to ensure Off loading area is clear, level, secure and free from slip trip and falling hazards. •All workers to have valid medicals with annexure 3 documents signed and stamped by Occupational Medical Practitioner.												
•Stacking and Storing to only be in designated areas and Contractor to develop and implement Stacking & Storing Guidelines to cover items such as Ventilation, Lighting, Manoeuvring Space, Stacking Requirements, Emergency Exits												

Access & egress, etc.	•Keep to safe speed limit 15km/h when driving on site. •Supervisor to ensure that the Qualified, Competent and Appointed Electrician supervise all electrical disconnections. •Supervisor to ensure that the Qualified, Competent and Appointed Electrician implements a lock out procedure, where required, and that a SWP and checklist or permit to work system is in place and used. •All ladders are to be numbered, labelled, inspected and recorded. •While someone is on the ladder someone is to be holding the ladder at all times. Safe Working Procedure
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on site in the event that underground service is damaged.	•Contractors to conduct daily toolbox talks on power cables in the ground dangers. •Drawings to be scrutinised to ensure all known cables in ground are identified and proof digging of trenches to locate and mark cables to be done by use of hand tools with extreme caution. •A hot works permit must be issued for all welding, cutting, etc. •Contractor ensure the Noise Induced Hearing Loss (NIHL) 2003 Regulations are complied with when working with or near noise generating equipment/plant – Hearing Protection to be worn by all workings in the immediate vicinity of the noise generating equipment/plant.
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•During Hot periods, regular breaks must be taken. Drinking water must be made available on site close to work areas. Sun block lotion must be provided and applied to exposed skin, long sleeve overalls to be worn and brim hats fitted to hard hats made available. •Hygiene must be at the heart of the contractor's safety awareness campaigns. Washing hands with soap and water, using gloves, not eating or drinking in work areas, etc. A Hygiene policy and plan must be drafted and communicated to all workers. It must be maintained and implemented with daily focus thereon. • Fire Extinguishers/ fire fighting equipment must be available on site in sufficient quantity and located
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5.	New 3 Storey Building with associated works including but not limited to: - Excavations - Stormwater management - Parking and driveways (Asphalting, Curbs, Signage and Painted Road Markings/ Parking Bays). - Concrete slabs (Steel Fixing, Pouring, Vibrating, floating, etc). - Structural Steel Work.	• Manual Handling of equipment and materials. • Dust. • Possible Ticks. • Moving vehicles. • Movement of Mechanical aids including mobile cranes and plant. • Noise. • Vibration • Inclement Weather. • Underground Services (Power and Water) • Overhead Services (Power Lines/ Street Lighting and Telkom Services). • Fuel (Petrol & Diesel)	• Manual handling injuries. • Dust being inhaled causing respiratory diseases or getting in eyes causing eye injuries. • Vehicle Collision & Damage. • Vehicle Collisions with Pedestrians/ workers. • Collision/impacts of mobile lifting equipment and other plant, including potential of loads being dropped	5x5=25	3x6=18	to all staff on site. All chemical products must be kept and stored in accordance with the MSDS requirements. •Provide PPE: Safety Boots/Shoes, Hard Hat, Dust Mask/Respirators (where required), Eye Protection, Reflective Vest, 2 Piece Long Sleeve Overall, Rain Suits, Gloves and Double Lanyard Harnesses (where required) • Responsible 16.2 to ensure Instructions are given on Manual handling using Safe Work Procedure (SWP) for Manual Handling: Where load is lifted, bending at the knees, not the back. Don't twist body with load in hands, always carry/load close to the body, adhere to the recommended	4
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- Wet Services - Hot Water Reticulation - Wet Services - Internal Sewer Reticulation - Wet Services - Fire Protection - Medical Gas supply system - Stormwater drainage system - sewer drainage system - potable water supply system - driveway layerworks - Paving , driveways & ramps - drystack retaining wall -Access road widening -Drystack Retaining Wall - Highway site facing -Structural & Non-Structural brickwork on Ground Floor - Glazing - Carpentry & Joinery - Ironmongery - Plastering & Painting - Ground Floor suspended reinforced concrete slab - Ground Floor reinforced two-level concrete Roof Slab	sun for too long and sun burn. • Fires caused by cigarettes/open fires causing smoke inhalation, possible death, burns, and damage to property			provide specification) Note: Delineators alone are not sufficient to keep unauthorised vehicles out of construction area. • Delineators and NJB/Armco Barriers must be placed in accordance with the Traffic Engineers requirements and the approved Traffic Management Plan (TMP) when working on the road. • Physical solid barricading (using the Temporary Contractors Fence specification as stipulated by the designers) must be placed on all sides of the excavation (rigid poles with shade cloth/ snow netting will be permitted and must be at least 1.5m from excavation edge) if 1.5m not
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	- Structural Steel roof support (plant room/services void) - Roof Sheetting/covering (plant room/services void) 85 -Bay, Lower-Ground (basement) parking - Concrete Foundations (column bases, strip footings to ret walls etc) - Concrete Columns - Ground Floor suspended concrete slab - Reinforced Concrete Retaining Walls - Gridline 6					possible, solid "speed fencing" type barricading must be used (edge of excavation my be unstable and this must be taken into account when placing the barricading, the DoPW Client Representative will have the right to instruct the contractor which barricading is to be used (based on safest option). • Barricading (delineators, snow netting, NJB's and all other forms of barricading) must be numbered and tagged and must be inspected daily with inspection records kept on file. • Ensure Off-loading area is clear, level, secure and free from slip trip and falling hazards. • All workers to have valid medicals with		
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found, be patient when removing a tick from your skin, follow these steps: 1. Use Tweezers to grab the tick close to your skin, 2. Gently pull back, making sure the tick's head is not left in your skin. 3. Don't Squeeze the ticks body, if you do the bacteria may enter your skin. 4. After removing the tick, wash the bite with soap and water. See a Doctor right away if you notice any symptoms of Tick Bite Fever or Lymes Disease).	• Supervisor to ensure that the Qualified, Competent and Appointed Electrician supervise all electrical installations • Supervisor to ensure that the Qualified,
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Competent and Appointed Electrician implements a lock out procedure, where required, and that a SWP and checklist or permit to work system is in place and used.	• Plant and Workers on site (Man Machine interface) must maintain a 5m clearance from each other at all times. • All Drivers Licences must be valid in order to drive any vehicle. • All passengers are to remain seated at all times with seatbelts fastened • At no time will passengers be allowed to ride on the back of an open van, truck or trailer.
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	• Riding on Plant will not be permitted • All Vehicles and Plant must be regularly serviced and in good working order. • Inspection Records must be kept for all vehicles and plant. • Drivers and Operator must have a valid Medical Certificate of Fitness as conducted by an occupational medical practitioner (including a completed and Annexure 3 form). • No drivers/operators to be under the influence of alcohol or drugs of any kind. • Rotating Orange Flashing Light to be on all vehicles and must be in	
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should take place. • Wear hand protection (PVC Gloves), safety glasses and face shield at all times by the operator of the concrete chute. • Concrete Chute on concrete truck must have handles. • Concrete spillages to be cleaned up and stored in demarcated area for use as backfill or removed to authorised landfill site. • An onsite Hydrocarbon spill kit will be required • Any hydrocarbon spills will be cleaned up with the on site hydrocarbon spill kit and contaminated waste material will be disposed of through registered									

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Gloves, full face welding helmets (with UV black out glass). Where possible non-flammable screens and partitions should be used. • A hot works permit must be issued for all welding, cutting, etc. • Contractor ensure the Noise Induced Hearing Loss (NIHL) 2003 Regulations are complied with when working with or near noise generating equipment/plant – Hearing Protection to be worn by all workings in the immediate vicinity of the noise generating equipment/plant. • Employee/operat or exposure to vibrating equipment/plant to be kept within the				

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Mechanical Aids Operators (i.e. Crane Operators, TLB operators, Bobcat Operators, etc) to operate plant on site • No plant/machine operator to use personal audio device (such as radio/cell phone music, iPod, etc.) or cell phones while operating machinery on site. • Inspection & Maintenance records must be maintained for all mechanical aids on site. • Mechanical Aids must be operated in accordance with the operators training and manufacturers guidelines (e.g.: outriggers must be fully extended, correct dunnage used under outriggers, Safe Work Loads					
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(SWL) must be observed, work area below lifts must be clear and nobody is to walk under load or load be lifted over people, etc).			
• Where TLB's are to be used as a mobile crane/lifting device, the TLB must be fitted with a non-return valve to prevent the TLB's hydraulics from failing during the lift and allowing an uncontrolled lowering of the load. The TLB's Safe Working Load must be clearly displayed on the plant as indicated by the manufacturer			
• Suitably qualified and competent riggers must be appointed.			
Riggers certificates must indicate level of rigging competency and must be an			

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					• Hygiene must be at the heart of the contractor's safety awareness campaigns. Washing hands with soap and water, using gloves, not eating or drinking in work areas, etc. - A Hygiene policy and plan must be drafted and communicated to all workers. It must be maintained and implemented with daily focus thereon. • Smoking Areas must be set up in demarcated areas with signage, sand filled bucket/drum and a fire extinguisher. • No open fire will be permitted on site of any kind. • Fire Extinguishers/fire fighting equipment must be available on site in sufficient quantity and
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					burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard. In case of fire, use foam, CO ₂ , dry powder. Use fog to cool and control. Do NOT use water jets. Cool containers in case of fire.	Accidental Release Measures: Ensure sufficient ventilation. Contain & collect spillage with inert material (not sawdust) and remove waste to safe place. Dispose of according to local regulations. Do not allow product to enter drains and sewers.	Handling & Storage: Store separately from any reactive substances - oxidisers in particular. Keep away from ignition sources. No open flames. No smoking. Keep containers cool. Store away from direct heat / sun.
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• Vibration (compacting earth and vibrating concrete). • Rigging loads. • Crane truck /Plant. • Ready Mix Concrete. • Cement. • Asphalt. • Asphalt Emulsion • Noise. • Underground services: Power Cables. • Inclement Weather. • Smoking/ Open Fires. • Possible Welding.	• Vehicle/ Plant • Collisions causing damage and collisions with workers, public & pedestrians causing injury and possible death. • Collision/impacts of mobile lifting equipment and other plant • Loads falling on topblanching) and WBV (Whole Body Vibration: back pain, long term can cause lumbar spinal damage also including the neck and shoulder region, musculoskeletal disorders, and motion sickness). • Non-Ionising Radiation: Ultra Violet Radiation from welding causing eye injuries, skin burns and eventually permanent eye damage leading to loss of sight	• Traffic Management Plan (TMP) to be drafted by either the Traffic Engineer or the Principal Contractors • Competent and Qualified TSO (Traffic Safety Officer) and submitted to the Clients H&S Agent for approval before any road work may commence on Seaward Lane (Retaining Wall) and on Marine Drive (Lay-by). • ☐ The Appointed Traffic Engineer and/or the Principal Contractors • Qualified and Competent TSO must conduct weekly inspections of the road works area	to the body, adhere to the recommended weight limit (RWL = 1/3 body weight or 25kg).
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and potential skin cancer. • Welding sparks causing burns on skin and eye injuries and possible fires.		including road signage, barricading control measures to ensure continued compliance with the TMP. • Contractor to conduct DSTI's (Daily Safety Task Instruction) to be conducted and communicated at the beginning of the shift on a daily basis. DSTI close out to be conducted and attendance registered signed by all staff. • Supervisor to control the delivery of aggregate and asphalt to site, ensuring the delivery is placed in the predetermined demarcated area. Aggregate stock piles must not be higher than 2meters.
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prior to use and inspected at least once per month. Inspections must be recorded on tool inspection check sheets. • All Drivers/ Plant Operators Licences must be valid in order to drive on site. • Only Licensed and Appointed Mechanical Aids Operators (i.e. TLB operators, Bobcat Operators, etc) to operate plant on site. • Inspection & Maintenance records must be maintained for all mechanical aids on site. • Where TLB's are to be used as a mobile crane/ lifting device, the TLB must be fitted with a non-return valve to prevent the TLB's hydraulics from	
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materials. •Slips, trips and falls from uneven surfaces, piles of rubble and soft sand. •Hydrocarbon spills from refuelling area & or vehicle/plant leaks. •Lightning Strike causing death, or severe burns/injuries. •Hail Stones causing damage to property/injury to people. •Rain causing slippery conditions. •Heat stroke from being exposed to the sun for too long and sun burn. •Cold: Stress and illness such as colds and flu. •Bush Fires caused by cigarettes/open fires causing smoke inhalation, possible death, burns, and damage to property.			
		drive a safe distance away from the roads edge to avoid the vehicle losing control (includes no Yellow Line Driving). •If visibility is impaired your headlights must be on to see and to be seen. •Vehicles must have Warning Triangles and reflective vests in the event of a breakdown. •All Vehicles & Plant must be regularly serviced and in good working order. •Inspection Records must be kept for all vehicles and plant. •Drivers and Operator must have a valid Medical Certificate of Fitness as conducted by an	

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Tenders shall make their own assessment of the dangers, hazards and risks that can be expected during the course of this contract, which may include dangers, hazards and risks not identified in the Baseline Risk Assessment, including those that may arise from specific methods of construction employed by the Contractor, and shall make due allowance in their tendered rates and prices for all costs related to complying with the provisions of the Act and Construction Regulations.

This information is given in good faith for the guidance of Tenderers, and no additional payment shall be made as a result of any inaccuracies, discrepancies or omissions contained therein.

12.

Annexures

CONTRACTORS HEALTH AND SAFETY DECLARATION FOR TENDERS

Project Name: _____

WIMS Number: _____

Client: _____

INTRODUCTION

In terms of Construction Regulation 5(1) (h) of the Construction Regulations of February 2014 a Contractor may only be appointed to perform construction work if the Client is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014. In line with this requirement the Contractor is required to read through this document carefully, sign it and submit it with his/her Tender.

DECLARATION

I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Site Specific Health and Safety Specification attached in the tender document.

2. I hereby declare that my company and its employees has the necessary competency and resources to safely carry out the construction work under this contract in compliance with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specification.
3. I hereby confirm that adequate provisions has been made in my tender to cover the cost of all Safety, Health and Environmental duties and responsibilities imposed on me by the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Site Specific Health and Safety Specification
4. I confirm that I may not commence with any part of construction work under the contract until the Client has approved my OH&S Plan in writing.
5. I hereby confirm that copies of the following documentation will be kept on site for viewing and inspection purposes for the duration of the construction work:
 - a) Client's Site-Specific Health and Safety Specification
 - b) Approved Construction Occupational Health and Safety Plan
 - c) Occupational Health and Safety Act, Act 85 of 1993, and

- d) Construction Regulations of February 2014.
- e) Any other documentation as specified in the SSHSS or as required by the CHSR.

6. I agree that my failure to complete and execute this declaration to the satisfaction of the Client will mean that I am unable to comply with the requirements of the Occupational Health and Safety Act, Act 85 of 1993 and Construction Regulations 2014, and accept that my tender will be rejected.

Signature:

Date:

(Person duly authorised to sign on behalf of Tender)

WIMS: 048152

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12.2	ANNEXURE B: Risk Profile
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A. Hazard identification and risk register

Hazard	Task-machinery-installation exposure	Safety risk	Health risk
Noise	Concrete mixers- grinder- compactors- concrete cutters- all work within 3 meters of mobile plant- explosive equipment	Acoustic trauma Communication error and accidents	Noise induced hearing loss
Whole Body Vibration	Mobile plant operators		Whole body Vibration back and muscular strain
Hand Arm Vibration	Grinders, jackhammers		Work related upper limb disorders
Air pressure	Compressed air	Explosion- fast moving air (skin & eye injury) or solid particles (eye)	
Heat	Summer heat exposure	Heat exhaustion Heat stroke dehydration	Cramps
Heat-hot parts	Welding, grinding	Burns	
Cold	Winter cold	Hypothermia Frost bite	
Electro-magnetism: UV	Sun exposure, Welding	Skin burns Arc eyes	Skin cancer
Radio-activity	Troxler or other gauges	Acute radiation	Cancer, atrophy, teratogenic
Electricity	Electrical reticulation & portable machinery	Electrocution Fire	
Illumination	Glare		Stroboscopy

			Glare eye strain
Concrete chemicals	When additives are required	Skin, eye irritation	Respiratory irritation, dermatitis
Irritating gasses and mists	Tar gasses, Welding fumes	Bronchospasm - skin - eye irritation	Asthma - dermatitis - conjunctivitis
engineering chemicals		Bronchospasm skin eye irritation	Asthma dermatitis - conjunctivitis
Organic solvents	Turpentine, thinners, acetone, benzene, tars	Acute intoxication (inhaled, ingested, trans cutaneous)	Liver, brain, renal disease, skin
Crystalline silica	Hauling, mixing		Asthma, emphysema, lung cancer, tuberculosis
Fuels	Diesel, petrol, LPG	Fire, explosion	
Lifting/bending	All manual work	Acute muscular strain	Chronic muscular strain
Repetitive actions	Most labourer's manual work		Chronic muscular- synovial skeletal damage
Prolonged standing	Most labourer's manual work		Venous stasis, oedema, backache
Impact strain	Work with hammer, pick, spade		Headaches, muscular pain neck and shoulders
Tuberculosis	Current local epidemic + crystalline silica exposure		TB
Macro biological agents	Dogs, snakes, scorpions	Bites and poisons	

Hazard	Task-machinery-installation exposure	Safety risk	Health risk
Fitness for duty		Alcohol - drugs	
Employee wellness	Personal - social -financial - professional-health-	Accident	
Fatigue	Night work Monotonous work (e.g. flagging traffic)	Lacerations, fractures, caught in machine or traffic -death	
Dangerous work	Work with and amongst construction machinery Work with dangerous materials (flammables, tar products) Demolition work Work with cranes and other lifting machinery Working inside exactions Work at heights Dealing with public during traffic controls Heights work Concrete- and rigging work (machinery,	Lacerations, fractures, caught in machine; Local effects (skin, eye, respiratory), falls, death, assault, car accident	Skin, eye, respiratory disease
Dangerous equipment	Mobile construction plant Moving vehicles Cranes Jackhammers Compressors and compressed air jets	All sorts of severe accident-risks	Airborne pollutants
Dangerous Actions	Access to traffic lanes Work in close vicinity of mobile plant Work close to moving parts of machinery Work inside excavations Working at heights	All sorts of severe accident-risks	All sorts of disease-risks

B. Baseline Health and safety Risk assessment

Construction work	Hazardous Event	Health & Safety Risk
Access and transport on and to site	Transportation, traffic control, active traffic, high speed traffic, abnormal (non-compliant) traffic or employees, heavy duty truck traffic	Motor vehicle accident and fatalities
Site camp erection & dismantling	Rigging - off loading- placement of containers and machinery	Falling objects - Sliding objects Cuts and lacerations - crush injuries
Off loading	Crane operations- rigging- movement of equipment	Falling and moving objects or machinery
Storage & stacking	Moving storage or stacks- picking off stacks	Falling objects or machinery
Chemicals and fuels	off-loading into bulk storage, decanting - refueling - spills	Fire, explosion, eye splash, environmental spills

Construction work	Hazardous Event	Health & Safety Risk
Excavation	Fall in -collapse-inundation	Severe injury- death
Pipe/drain laying	Excavation work- fall risk- collapse risk	Fall- and crush risks & fatalities
Pipe/drain laying	Compaction- noise- vibration	Noise induced hearing loss- hand arm vibration
Concrete works	Handling cement, concrete, heavy objects	Skin, eye chemical insult, ergonomic strain
Electrical work	electricity	electrocution
General construction work	Hand tools- small portable electrical tools- manual handling- sharp articles -electricity	Hand-, eye injuries, crush injuries, noise exposure, dust exposure -ergonomic strain -electrical shock -fire
Temporary works and concrete work	Collapsing -fall -drop	Severe injury- death
Scaffolding & ladder work	Collapsing -fall -drop	Severe injury- death
Chemical substances	Cement-dust-shutter oils-water proofing- asphalt- premix - road paint products- LPG- sandblast	HCS-specific illness (silicosis, airways disease, eye injury, skin disease, heat burns, chemical burns, asphyxiation) Burns- fire- explosion
Lifting, rigging operations	Lifting articles	Falling articles- severe injury death
Brick-, block-, gabion-, concrete pre cast structure work	Collapsing structure	Falling articles- severe injury death

Construction work	Hazardous Event	Health & Safety Risk
Manual lifting and repeated movement (kerbs, blocks, pipes) - awkward movement	Ergonomic stress	Back and other muscular injury or disease
Manual work	Use of hands - strain on muscles and back	Lacerations, crush injury, back injury, muscle injury
Demolition	Structure stability- services	Collapse, electrocution, flooding- fall objects
	Traffic control- placement of delineators- stop/go controls -	

Traffic control work	fatigue- non conforming drivers	Collision and death
Plant repair, maintenance and setting	Mechanical risks: mobile parts, gravity energy, hydraulic or coil energy, nip points	Severe to fatal injuries
Exposure to elements and environment	Sun, wind, temperature, emissions	Skin cancer, heat exhaustion, lung cancer
Concrete work	Concrete handling Rigging	Crush injuries
Confined work areas	Placement of machinery, materials and workers in restricted space adjacent to active traffic	Serious injury, death

12.3.

Annexure C: Structure of SSHSP submitted for approval and SSHSF layout requirement.

<u>Number</u>	<u>Item</u>	<u>To be submitted with SSHSP for approval</u>	<u>Comments</u>
1.	INDEX	Yes	None
2.	SSHSP Approval Letter and Appointment letter.	No	To be filled in SSHSF after issuing by CHSR
3.	Letter of Good Standing	YES	To be kept up to date and filled in SSHSF
4	Signed and dated SHE Management Plan	Yes	To be filled in SSHSF
5.	Organogram	Yes	To be placed on the SSHSF, kept updated
6.	Signed and dated Health and Safety Policies	Yes	To include communication Register and filled in SSHSF
7	Site Layout Plan	Yes	To be kept updated and filled in SSHSF
8	Signed and dated Emergency Plan	Yes	To be kept updated and filled in SSHSF
9	Signed and dated Environmental Management Plan	Yes	To be kept updated and filled in SSHSF
10.	Signed and dated Personal Hygiene and Infectious Disease Management Plan.		To be kept updated and filled in SSHSF.
11	Signed and dated Fall Prevention Plan	Yes	To be reviewed prior to work being conducted, and filled in SSHSF with communication record.
12	Demolition Plan	No	To be submitted to CHSR and Structural Engineer for approval before work commences and filled in SSHSF with communication record.

13	Two signed and dated risk assessments of priority risks as per the risk profile.	Yes	To be submitted with SSHSP for evaluation. To be filed in SSHSF and reviewed prior to work being conducted.
14.	Two signed and dated Method Statements/ Safe Work Method Statements for the two priority risk assessments as per item 11.	Yes	To be submitted with SSHSP for evaluation. To be filed in SSHSF and reviewed prior to work being conducted.
15.	Risk assessments and Method Statements.	No	To be kept on SSHSF with communication records
16	Daily Safe Task Instruction (DSTI)	NO	To be signed off at the start and end of shift with communication record, to be kept in SSHSF.
17	Induction Course	No	To be reviewed, kept updated and include communication record register. Filled in SSHSF.
18.	Toolbox talks	No	To include communication register and filled in SSHSF.
19.	PPE Issue Record	No	To include training in correct use etc and filled in SSHSF.
20.	Sub – Contractor Monthly Audit records	No	To be discussed at SHE Committee meeting, closed out and kept on SSHSF.
21	External Audit Reports	No	To be discussed at SHE Com Meetings, Internal Meetings etc and filled in SSHSF.
22.	Self-Audit Format	yes	To be completed on a monthly basis, forwarded to team members at least 7 days before progress meeting, to report on close out at the meeting. Filed on the SSHSF.
23.	Sub- Contractor Appointments and scope and list	No	To be kept on SSHSF
24.	Section 37(2) Agreements	No	To be kept on SSHSF.
25	Copy of Construction Regulations	No	To be kept on SSHSF.
26.	Construction Manager (CR 8(1))	Yes	Including CV / Proof of Competency. To be kept in the SSHSF.

27.	Assistant Construction Manager (CR 8(2))	Yes, if applicable	Including CV / Proof of Competency. To be kept in the SSHSF.
28.	SHE Officer (CR 8(5))	Yes	Including CV / Proof of Competency and SACPCMP Registration. To be kept in SSHSF.
29.	Construction Supervisor (CR 8(7))	Yes	Including CV / Proof of Competency. To be kept in SSHSF.
30.	Assistant Construction Supervisor (CR 8(8))	Yes, if applicable.	Including CV / Proof of Competency. To be kept in SSHSF.
31.	Risk Assessor (CR 9 (1))	Yes	Including CV / Proof of Competency. To be kept in SSHSF.
32.	Fall Prevention Planner (10 (1)(a))	Yes	Including CV / Proof of Competency. To be kept in SSHSF.
33.	Temporary Works Designer (CR 12(1))	No	Including CV / Proof of Competency. To be kept in SSHSF.
34.	Temporary Works Supervisor (CR 12(2))	No	Including CV / Proof of Competency. To be kept in SSHSF
35.	Excavation Supervisor (CR 13(1)(a))	No	Including CV / Proof of Competency. To be kept in SSHSF
36.	Demolition work Supervisor (14(1))	No	Including CV / Proof of Competency. To be submitted with Demolition Plan. To be kept in SSHSF
37.	Scaffold Supervisor (CR 16(1))	No	Proof of Competency. To be kept in SSHSF
38.	Scaffold Erector (CR 16 (2))	No	Proof of Competency. To be kept in SSHSF
39	Scaffold Inspector (CR 16(2))	No	Proof of Competency. To be kept in SSHSF
40.	Suspended Platform Supervisor (CR 17(1))	No	Proof of Competency. To be kept in SSHSF
41.	Material Hoist Inspector (CR 19(8)(a))	No	Proof of Competency. To be kept in SSHSF

42.	Bulk Mixing Plant Supervisor (CR 20(1))	No	Proof of Competency. To be kept in SSHSF
43.	Construction vehicle and Mobile Plant Operator (CR 23(1)(d))	No	Proof of Competency, medical fitness etc. To be kept in SSHSF
44.	Crane Supervisor (CR 22(a))		Proof of Competency, medical fitness. To be kept in SSHSF
45.	Temporary Electrical Installation Inspector (CR 24(d))	No	Proof of Competency. To be kept in SSHSF
46.	Stacking and storage Inspector (CR 28 (a))	No	Appointment, to be kept in SSHSF
47.	Fire Equipment Inspector (CR 29(h))	No	Including basic Fire Fighting Training proof of competency
48.	Fire Team Member (CR 29 (i))	No	Including basic Fire Fighting Training proof of competency
49.	Portable Electrical Equipment Inspector (EMR 9)	No	Appointment to be kept in the SSHSF
50.	Accident Incident Investigator (GAR 9(2))	Yes	Including CV / Proof of Competency. To be kept in SSHSF
51.	First Aider GSR (3(4))	No	Including at least Level 2 First Aid Competency. To be kept in the SSHSF
52.	Welding/Flame cutting equipment Inspector (GSR 9)	No	Appointment to be kept in the SSHSF
53.	Ladder Inspector (GSR 13 (a))	No	Appointment to be kept in the SSHSF.
54.	Hazardous Chemical Substances Supervisor (HCSR 3(3))	No	Appointment to be kept in the SSHSF.
55.	Hand Tool Inspector (Sec 8(2)(a))	No	Appointment to be kept in the SSHSF.
56.	SHE Representative (Sec 17)	No	Including proof of Competency. To be filled in SSHSF

57.	Sub-Contractor (CR 7(1)(c))	No	As per applicable legislative requirements
58.	Electrical Contractor (EIR 6)	No	Including proof of Professional Registration
59.	Registered Asbestos Removal Contractor (AR 21(1)(i))	No	Proof of registration with DOL,SHE Plan to be submitted to DEL with Notification. Signed off by AIA and CHSR.
Registers as required by the scope of work, equipment, facilities etc.			

**HIRA: 14 Day look-ahead by Principal Contractor Project: WIMS
048512: STANGER HOSPITAL - NEW 28 BED PSYCHIATRIC UNIT**

H&S - ANNEXURE

The **Principal Contractor** must report the health and safety status of the upcoming activities to the H&S Agent at audits in writing using the following advised format.

14-Day Look-ahead Programme – Hazard Identification Risk Assessment (HIRA)

Project:

Contractor:

Look-ahead period: from to

No.	Activity description and location on site	When is activity due to start (date)?	Risk assessment (HIRA) & method statement to be done by (date)?	HIRA done and in file (date)	Workers trained / informed of the SWP's (date done)	Comments by contractor if required
1.						
2.						
3.						
4.						
5.						
6.						

7.						
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Notes:

Why is it so important to identify hazards, assess the potential risks associated with the hazards and implement effective safe work procedures (SWP's) to eliminate the risks?

1. It is a legal requirement that every Employer (Company) creates a safe and healthy working environment for its workers – Section 8 of the OHS Act (Occupational Health & Safety Act 85/1993).
2. It is the duty of Employers (Companies and their managers/supervisors) to identify the hazards/hazardous activities which could potentially cause harm to their workers and to other persons e.g. site visitors, members of the public outside the site and other contractors (Construction Regulations 2014).

Definitions that you need to understand:

Danger: means anything which may cause injury or damage to persons or property e.g. a machine; electrical installation; portable electrical tool; etc.

Hazard: means a source of or exposure to danger e.g. operating a machine; working with/on electricity on site; operating or being close to an angle grinder.

Risk: means the probability that injury or damage will occur. In other words what injuries/damage could result from exposure to the particular danger (hazard) and what the chances/probability are (usually indicated by a rating level e.g. high, medium, low)

Finally, in the case of an injury or property damage, if you cannot prove that an assessment of risk was undertaken, you could be found guilty of contravening the OHS Act and/or Construction Regulations which is a criminal offense. As a supervisor/manager you have the implied duty and responsibility to identify hazards, determine what could potentially go wrong, and then put the necessary safety/health measures/procedures in place. This means you have to carry out a formal hazard identification and risk assessment (in writing). Then you need to inform your workers of the hazards, risks and safe work procedures. Finally you have the legal duty of enforcing these safe work procedures – you need to check that the procedures are in fact being implemented by the workers.

GENERAL COMPLIANCE REQUIREMENTS

Project: WIMS 048512: GJGM 28 Bed In-Patient and Out-patient Mental Health Unit

H&S - ANNEXURE

The **Principal Contractors** and **Contractors** must comply with but not be limited to the requirements tabled below: Prove compliance with annexure 'C' at audits conducted by the safety agent.

Item	What	When	Output	Reviewed by Client Date:
C1	Construction-phase Health & Safety Plan	Monthly review	Principal Contractor to indicate the status of Contractors' health & safety plans.	
C2	Health & Safety File(s)	Open file when construction begins and maintain throughout.	Have file on hand at audits. Contractors to report on their file at monthly health & safety audits by the Principal Contractor.	
C3	OHS Act and relevant Regulations	Monthly review	To be kept in the health & safety file on site.	
C4	Health & Safety Induction training	Every worker before he/she starts work.	Attendance registers to be kept.	
C5	Awareness Training (Tool Box Talks)	At least every two weeks	Attendance registers to be kept.	
C6	Health & Safety Meetings	Monthly	Meeting minutes to be kept.	
C7	Health & Safety Reports	Weekly (safety officer)	Reports covering: • Incidents / injuries and investigations • Non-conformances by employees & Contractors • H&S inspection findings	

C8	Audits on contractors	Monthly	Report covering • H&S File/Plan • WCA status • Appointment letters • Section 37(2) agreements • Risk assessment & safe work procedures • Physical site inspection • Any other contractor specific requirements.	
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C9	Emergency procedures	Monthly evaluation of procedure	Compile written procedure as well as tel. numbers.	
C10	Risk assessments & fall protection plan	Updated and signed off at least monthly.	Documented risk assessments to be available. 14 day look-ahead programme to be implemented.	
C11	Method statements	Drawn up and distributed before workers are exposed to the risks.	Documented set of method statements reviewed and signed off.	
C12	General Inspections	Daily	Report OHS Act compliance: • Excavations and trenches (incl. barrier netting and signage). • Portable electrical tools. • Construction vehicles, mobile plant, lifting machines. • Traffic and pedestrian accommodation on Dock Rd. • Signage, notices and hoarding. • Edge protection. • Formwork, support work and back-propping. • Explosive powered tools. • Life line systems. • Materials hoist.	
C13	General Inspections	Weekly	• Scaffolding, crash decks and aprons. • Temporary loading platforms. • Temporary Electrical Installations. • Hoarding and fencing. • Waste chute. • Cantilever loading platforms	

C14	General Inspections	Monthly	• Fire-fighting equipment. • Ladders. • First aid equipment.	
C15	General Inspections	3-monthly	• Lifting tackle. • Oxy-acetylene cutting & welding sets. • Fall prevention and arrest equipment.	
C16	General Inspections	6-monthly	• Lifting machines. • Cherry pickers	

C17	Load tests / performance tests	Annually / once erected, before use	• Lifting machines. • Cherry pickers.	
C18	List of Contractors	List to be updated weekly	Compile a list of Contractors: Name, supervisor, company tel. numbers and trade.	
C19	Workman's Compensation	Ongoing	Compile a list of Contractors' workman's compensation proof of good standing.	
C20	Construction site rules & Section 37(2) Mandatory Agreements	Ongoing	Compile a list of all signed up Mandataries. Proof of agreement documents to be kept in H&S file.	
C21	Medical assessments or as otherwise prescribed. Competence of personnel.	Annual assessments	Proof to be available in the form of certificates of fitness. Certificates of competence required for various operators and personnel.	

Safe work procedures/method statements required

The hazardous operations listed below have been identified by the Client and must be managed by the Principal Contractor in the form of preparation of method statements / SWP's before such work begins. The onus remains on the Principal Contractor to conduct Risk Assessments and compile method statements for hazardous tasks (Construction Regulations). Contractors appointed by the Principal Contractor will be required to conduct the necessary Risk Assessments and method statements and forward these to the Principal Contractor before such work begins.

Due to the fact that various structures will be constructed with varying engineering designs, structure-specific method statements will be required.

No.	METHOD STATEMENT / SWP	DATE APPROVED	DATE LAST REVIEWED
1	Demolition, method statements and demolition plans including the safety thereof including Asbestos		
2	Scaffolding Erection, alteration, dismantling Work thereon Inspections – when and who		
3	Lifting machines and related equip. Erection of equipment, operational procedures (slinging, control of various lifting operations)		
4	Roof work installation/removal of roof tiles, including worker safety methods and procedures while conducting this work		
5	Temporary barricading of exposed edges and elevated walkways (concrete floors, stairways and other)		
6	Movement of construction vehicles and mobile plant across/on public roadways and walkways (including cleaning procedures and road signage)		
7	Temporary Works Erection and dismantling Inspections – when and who. Edge protection strategy		

8	Major concrete work		
9	Cladding, sheeting and other structural steel work including hotworks		
10	Brickwork		
11	Traffic Management		

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	<u>PRELIMINARIES</u>				
	<u>OCCUPATIONAL SAFETY & HEALTH</u>				
	Part 1 General				
	1.1 Preparation and submission of safety and health				
A	The preparation and submission of the Safety and Health Plan comprising with but not limited to;	Item			
	a. Description of project				
	b. Site project organisation structure				
	c. Arrangements for controlling significant site risks, and;				
	d. Detail - Occupation Safety and Health Specification				
	1.2 OSH Management System				
B	Review Occupational Safety and Health management system of worksite at least once every 6 months	Item			
	1.3 The Safety and Health Committee.				
	Conduct HSE meetings and inspections during the duration of the contract as below;				
C	a) HSE Safety committee meetings monthly for the duration of the contract.	No.			
D	b) Site Safety and Health inspection for the workplace (once in every four months) for the duration of the contract.	No.			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	1.4 Temporary Works by Designer				
	Provision for the submission of design of any temporary works by a competent person / professional engineer (third party) of the following to the Supervising Officer, if requested by the Client:				
A	a) Temporary works and support system	Item			
B	b) Scaffolding (as per SANS 10085:1:2024)	Item			
C	c) Catch platform (if applicable)	Item			
D	d) Construction rubbish/debris disposal chute (if applicable)	Item			
E	e) Runways and ramp used by vehicles	Item			
F	f) Support for stability of structure where adjoining area to be excavated or piled	Item			
G	g) Loading platform (if required)	Item			
	1.5 Construction Health and Safety Manager and Construction Health and Safety Officer				
E	Full time competent Construction Health and Safety Officer for the entire duration of the contract	Item			
F		Item			
	1.6 Medical Check Up				
G	Conduct health fitness by a medical officer at least on yearly basis to ensure their operator/workers are in good health before and during their engagement in the period of contract.	Item			
		Item			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	1.7 Personal Protective Equipment				
A	Provide, maintain and replace any damage personal protective equipment as per specification to all employees. Provide, maintain and replace any damaged items of the following personal protective equipment during the construction period.	Item			
B	a) Eye and face protection	No.			
C	b) Fall protection (Harnesses, lanyards, lifeline, safety belt)	No.			
D	c) Foot protection (Safety shoes/boots)	No.			
E	d) Hand protection (suitable glove - pair)	No.			
F	e) Head protection (safety helmet)	No.			
G	f) Hearing protection	No.			
H	g) Respiratory protection	No.			
I	h) Protective clothing	No.			
J	i) Protection against radiant energy (filter lenses)	No.			
K	j) Others (please specify)	No.			
	1.8 Safety and Health Training & Briefing				
	Conducting briefings and induction course to each worker and any related courses that required for the entire project.				
	Plan and conduct relevant safety and health training plan as per site requirement.				
L	a) Site safety and health induction course for site personnel.	Item			
M	b) Site health and safety induction for approved visitors.	Item			
N	c) Fire fighting.	Item			
O	d) Emergency preparedness, respond and evacuation.	Item			
P	e) Tool box meetings/briefing (once a week at site).	Item			
	f) Others (please specify)	Item			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	1.9 Hazards Identification Risk Assessment And Risk Control (HIRARC)				
A	Prepare and undertake Hazards Identification, Risk Assessment and Risk controls (HIRARC) for all construction activities.	Item			
	1.10 Monthly Report				
B	Printing/copying, papers, inks, binding or related cost in providing the monthly report within the contract period inclusive of any investigation expertise.	Item			
	1.11 Notification of Accidents, Dangerous Occurrences, Occupational Diseases				
C	Provision for Accident / Incident Investigation Report inclusive for the cost to engage if there is any third parties involve (competent person / specialist) to investigate any accident at workplace.	Item			
	1.12 General Signage				
	Safety signage in the workplace to ensure the workers and the public are aware about safety within the environment of the project.				
	Provide, install and maintain the following standard signage				
D	a) Keep Site Clean	Item			
E	b) No Open Fires / Burning	Item			
F	c) Emergency exit routes	Item			
G	d) Any other safety signs as instructed and approved by the S.O. (please specify)	Item			
	1.13 Site Safety and Health Information Board				
	Provide at least one (1) information board to update any HSE information to the employee at worksite.				
H	Provision and maintenance of Safety and Health information board including regular updating of safety and health information.	Item			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	1.14 First Aid Facilities. A trained first-aider for any minor accident and first aid arrangement in case of any accidents at the workplace. This includes providing complete set of first aid kit for office within the period of contract.Requirement to be as set out in the OHS Act One qualified First Aider appointed where more than 10 persons are employed. One additional First Aider for every 50 persons employed				
A	a) To provide suitable trained person to attend first-aid treatment.	Item			
B	b) To provide and maintain first aid kit.	No.			
	1.15 Portable Fire Extinguisher. Provide enough fire extinguishers at the workplace. The locations of the fire extinguishers include the site office, quarters and standby for any hot works activities within the contract period. The cost also includes the maintenance and training of the use of equipment. At least one unit for office, two units for each quarters and one unit standby for hot work area.				
C	Provision and maintenance of approved fire extinguisher to be provided for around each 200m ² of floor space with a minimum of one per floor at designated area.	Item			
	To Collection				

TABLE

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	<u>Part 1 General - Collection</u>				
	From Page 1				
	From Page 2				
	From Page 3				
	From Page 4				
	From Page 5				
	To Summary				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	Part 2 Amenities and Facilities (Construction Site)				
	2.1 Toilets				
A	Provide, maintain and the dislodging of toilets for workers. Toilet shall be connected to a sewer / temporary septic tank with the approval of the relevant competent authority. Contractor shall estimate the number of workers for entire project and at least 1 toilet per every 30 workers. For every 100 workers, there should be 4 numbers of toilet.	Item			
	2.2 Temporary Structures and Sanitary conveniences at construction worksites				
B	Temporary site office with adequate lighting and ventilation.	Item			
C	Sanitary facilities in the ratio of 1 water closet, 1 shower and 1 wash basin for every 25 workers or less shall be provided. The toilet facilities shall be connected to a sewer/temporary septic tank.	Item			
	2.3 Temporary rest area				
D	Provide and maintain rest area for the workers and site staff with safe area, ventilated and lighted.	Item			
	2.4 Lighting				
E	Provide adequate lighting in dark environment at work areas, access and egress. Note: Dark environment with inadequate lighting (access to upper floor, tanks, any confined space, etc).	Item			
	2.5 Ventilation				
F	Provide mechanical ventilator in areas where natural ventilation is not possible and in accordance to the specification. Areas which requires constant air circulation which involves fumes and smoke e.g. generator, welding activities, confine space, etc.	Item			
	To Summary				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	Part 3 Prevention of fall at Workplace				
	3.1 Unprotected Sides and Edges				
A	Supply, install and erect guardrail, barricade and toe board (where required) to exposed edges / openings but not limited to: a) Working platform b) Loading platform c) other specify	Item			
B	Provide, install and maintain temporary hand railings to the stairs use as an access and egress.	Item			
C	Provision of providing temporary closure by using sufficient thick and strong material for any floor openings where when erecting guardrail / barricade are not suitable.	Item			
	3.2 Safety nets				
D	Install and maintain safety net as close as possible to the working level. Should it be on the outside of the structure, the outer edges should be higher than the inner edge. Contractor to calculate the area to be close/cover base on the proposed design of the bridge.(if applicable)	Item			
	3.3 Individual fall arrest systems				
	Fall arrest systems must be provided for every workers working at height above 1.8m. Double lanyards to be equipped on the safety harness.				
E	Provide, anchor /install and maintain individual fall arrest systems that includes : a) Inertia reel systems; b) Safety harness; c) Lanyards; and d) Static lines	Item			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	3.6 Ladders				
A	Supply, install and maintain suitable lockable step ladder spreader bars on both sides connected to the front and rear stiles. All ladders must be specified with its certification standards.	Item			
	3.7 Scaffolding for Temporary Working Platform, Access and Egress				
	All Scaffolding will compile with SANS 10085:1-2024				
B	Erect, maintain and dismantle suitable scaffolding for temporary working platform including access and egress.	Item			
	3.9 Safety Signage				
C	Provide safety signage for all the above items.	Item			
	Provision for the following but not limited to: a) Beware of falling objects b) Safety harness c) Safe access or egress d) Openings and apertures e) Rubbish chute operation and limitations f) Others (please specify)				
	To Collection				

FEMALE[illegible]

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE/
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	Part 4 Electrical				
	4.1 Reports				
A	Submission of regular safety inspection and maintenance reports on electrical distribution box, switch box, temporarily wiring and generator set both indoors and outdoors on weekly basis.	Item			
	4.2 Electrical Safety Signage				
	Provide electrical safety signs at workplace to ensure workers and public aware about electrical safety within the contract period.	Item			
	Provide, install and maintain the following approved 300mm x 400mm safety warning signs but not limited to :				
B	a) BEWARE ELECTRICITY				
C	b) USE ELECTRICITY SAFELY				
D	c) USE SAFE ELETRICAL TOOLS				
E	d) BEWARE OF OVERHEAD CABLE				
F	e) Others (please specify)				
	4.3 Inspection of equipment				
G	Inspection of all electrical tools and equipment prior to their first use at site and throughout the contract period.	Item			
	To Summary				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
Part 5 Hazardous Chemicals and Materials					
5.1 Chemical Health Risk Assessment					
A	a) Prepare a Chemical Register for all hazardous chemical to health used in the place of work inclusive of updating during the contract period.	Item			
B	b) Carry out Chemical Health Risk Assessment by a registered assessor.	Item			
C	c) Develop control measures and policies to ensure the hazardous chemical to health are handled and used safely inclusive of updating during the contract period but not limited to : i. Handling ii. Correct and safe storage iii. Transportation procedure iv. Disposal procedure include schedule waste	Item			
5.2 Labeling and Storage					
D	Provision of labeling, control and safe storage area for hazardous material at site to the requirement of the authority.	Item			
5.3 Personal Protective Equipment					
E	Suitable PPE for handling hazardous chemical at workplace as per OHS Act	Item			
F	Provide the following PPE for visitors/inspectors and other personnel working with hazardous chemical but not limited to:				
E	i. Goggles	No.			
F	ii. Mask	No.			
G	iii. Gloves	No.			
H	iv. Suitable full face mask (where necessary)	No.			
I	v. Protective clothing (where necessary)	No.			
5.4 Waste Disposal					
The cost for handling any chemical waste as required including proper arrangement by the approved contractor (third party).					
J	Handle, transport and disposal of schedule waste by licensed / approved contractor to the requirement of the authority.	Item			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	5.5 Chemical Safety Signage				
A	All related safety signage in handling hazardous chemicals at the workplace as per OHS Act. Safety signage needs to be installed at the designated chemical area. Provide, install and maintain the following approved 300mm x 400mm safety warning signs but not limited to : a) USE SUITABLE FACE MASK b) USE SUITABLE GLOVES c) WARE SUITABLE CLOTHINGS d) BEWARE OF HADZADOUS MATERIAL e) USE SUITABLE GOGGLES f) Any other signs related to chemical safety	Item			
	5.6 Hazardous chemical training and handling				
B	Provisions to provide the following: a) Training of hazardous chemicals on site b) Monitoring of exposure hazardous chemical on site c) Health surveillance for workers expose to the hazardous chemical on site	Item			
	To Collection				

EMALE1[illegible]

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	Part 6 Plants				
A	6.1 Compile and maintain on a monthly basis all inspection records for plants but not limited to : a) Mobile and rigging equipment b) Pilling equipment c) Portable mechanical powered fastening tools d) Scaffold e) Compressor and Pressure Vessel f) Dozer, motor grader, etc Note: The cost for printing/copying, papers, inks, binding, files or related cost in providing and maintaining all inspection records during the contract period.	Item			
B	6.2 Provision of designated personnel a) Provide for trained and appointed personnel to operate the equipment in allowed for in 6.1	Item			
C	6.3 Communication a) Provide for all radio equipment to safely operate all plant and machinery on site where required	Item			
D	6.4 Inspection Inspection by authorised inspector (third party) at least once (1) per year Arrange inspection and approval of special plants, tools and before use at site for : a) Air compressor b) Pilling equipment c) Mobile crane d) Any others	Item			
	To Summary				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	Part 7 Special Work Situations				
	7.1 Working in confined space				
A	a) Carry out air testing for toxic, flammable gas fumes and oxygen adequacy before access to the confined area of work by authorised gas tester.	Item			
	b) Provision of:				
	i. entry supervisor (one man per test)				
	ii. standby person (one man per test)				
B	Provision of a ventilation system for the provision of fresh air and the extraction of pollutants	Item			
C	Develop a permit system and procedures for the entering of confined spaces during construction	Item			
D	Provide, install and maintain all warning signage for working in confined spaces.	Item			
	7.2 Traffic movement within site				
	The cost to ensure safety and proper traffic management at workplace by providing all the following items within the contract period.				
E	a) Provision for planning of safe traffic movement within the site.	Item			
F	b) Provision of flagman to control and regulate the movement of site traffic / vehicle within, going out and coming into the site.	Item			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	7.2 Traffic movement within site				
A	c) Provision of the following to be used by the worker and flagman but not limited to : i. Reflective safety vest. ii. Dust mask iii. Traffic control baton light iv. Flags (Both Green and Red flags) v. Any other suitable PPE	Item			
B	Provide all road traffic signage	Item			
	Accommodating traffic and maintaining temporary deviations	Item			
	Provision of other traffic control measures, as instructed by the Engineer	Prov sum			
	7.3 Excavations (more than 1.5m deep)				
	The cost to ensure safety and proper arrangement for any excavation activities at workplace by providing all the following items within the contract period. Minimum one (1) no. per item when the excavation is more than 1.5m deep.				
C	a) Provision for the designing of safe strutting for deep excavation work by professional.	Item			
D	b) Provision for the competent / designated person to supervise the excavation work.	Item			
E	c) Provision for the protection and barricading the excavated work.	Item			
F	d) Provide, install and maintain an approved hazard warning lights for the excavated area during the night.	Item			
G	e) Provide, install and maintain approved warning signage	Item			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

Item	Description	Unit	Qty	Rate (R)	Amount (R)
	Note : Applicable for demolition works only otherwise ignore Section 7.4				
	7.4 General Demolition Works				
	Ensure safety and proper arrangement of the demolition activities by providing all the following items within the contract period or for the demolition works. Minimum one (1) no per item is required.				
A	a) Provision of planning for safe demolition work, stage by stage, including the safety of adjoining structure for the approval of the local authority.	Item			
B	b) Provision of inspection and supervision of demolition work by competent person.	Item			
C	c) Provision of adequate notice before demolition work as required by the local authority.	Item			
D	d) Provision for the suppression of dust to the approval limit of the local authority.	Item			
E	e) Provide, install and maintain all safety warning signage	Item			
F	f) Provision of approved netting for prevention of uncontrolled fall of demolishing material.	Item			
G	g) Provide, install and maintain approved barricade / fencing for preventing unauthorised entry for the whole duration of the demolition work.	Item			
H	h) Provision of security personnel at strategic locations during the demolition operation.	Item			
I	i) Provision of noise monitoring and testing.	Item			
	To Collection				

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

[illegible]

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

[illegible]

**GENERAL JUSTICE GIZENGA MPANZA REGIONAL HOSPITAL-NEW 28 BEDDED MALE AND FEMALE
INPATIENT AND OUTPATIENT MENTAL HEALTH UNIT -WIMS 048512**

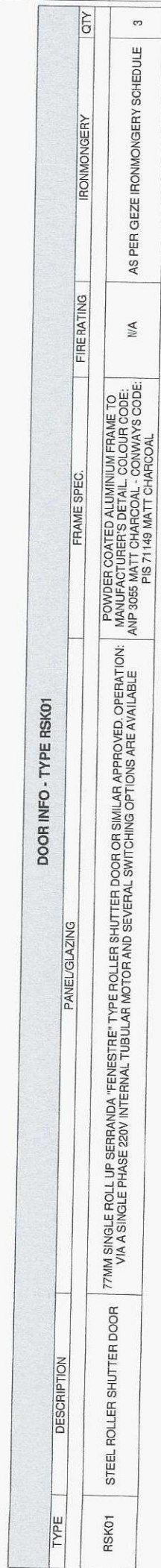
Item	Description	Unit	Qty	Rate (R)	Amount (R)
	OCCUPATIONAL SAFETY & HEALTH Summary				
	From Page 6 - Part 1 General				
	From Page 7 - Part 2 Amenities and Facilities				
	From Page 10 - Part 3 Prevention of fall at Workplace				
	From Page 11 - Part 4 Electrical				
	From Page 14 - Part 5 Hazardous Chemicals and Materials				
	From Page 15 - Part 6 Plants				
	From Page 20 - Part 7 Special Work Situations				
	To Bill No. 1 Summary				

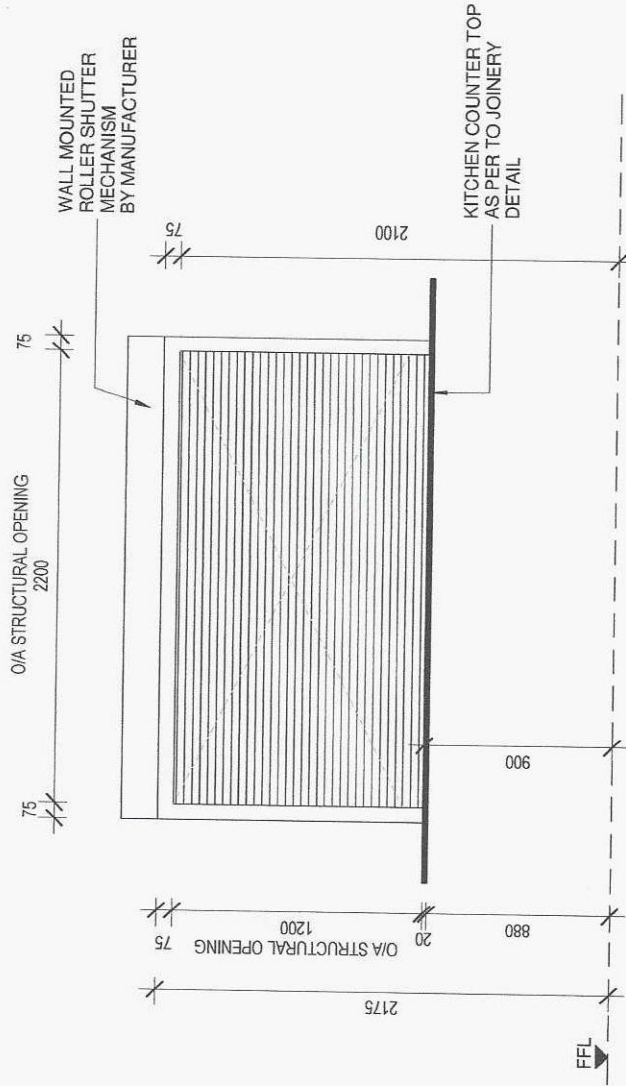


KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

NEW 28 BEDDED MALE & FEMALE INPATIENT & OUTPATIENT MENTAL HEALTH UNIT

ANNEXURES 2 - ARCHITECTURAL DRAWINGS

[illegible]



DOOR INFO - TYPE RSK02

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRERATING	IRONMONGERY	QTY
RSK02	STEEL ROLLER SHUTTER DOOR	77MM SINGLE ROLL UP SERRANDA "FENESTRE" TYPE ROLLER SHUTTER DOOR OR SIMILAR APPROVED. OPERATION: VIA A SINGLE PHASE 220V INTERNAL TUBULAR MOTOR AND SEVERAL SWITCHING OPTIONS ARE AVAILABLE	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL - COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71 148 MATT CHARCOAL	I/A	AS PER GEZE IRONMONGERY SCHEDULE	1

- NOTES
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 - ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL STANDARDS AND LOCAL AUTHORITY REGULATIONS.
 - ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
 - THE DRAWING AND ALL DIMENSIONS ARE TO BE INDICATED IN METRIC UNITS.
 - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
 - ALL DOOR STILES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 90mm THICK.
 - ALL DOOR STILES TO BE SUPPLIED BY THE MANUFACTURER OF THE FRAME (UNLESS OTHERWISE SPECIFIED).
 - ALL SHOPFRONTS EXCEEDING 2000mm HEIGHT TO BE SUPPLIED BY STRUCTURAL STEEL TO DESIGNERS DETAIL.

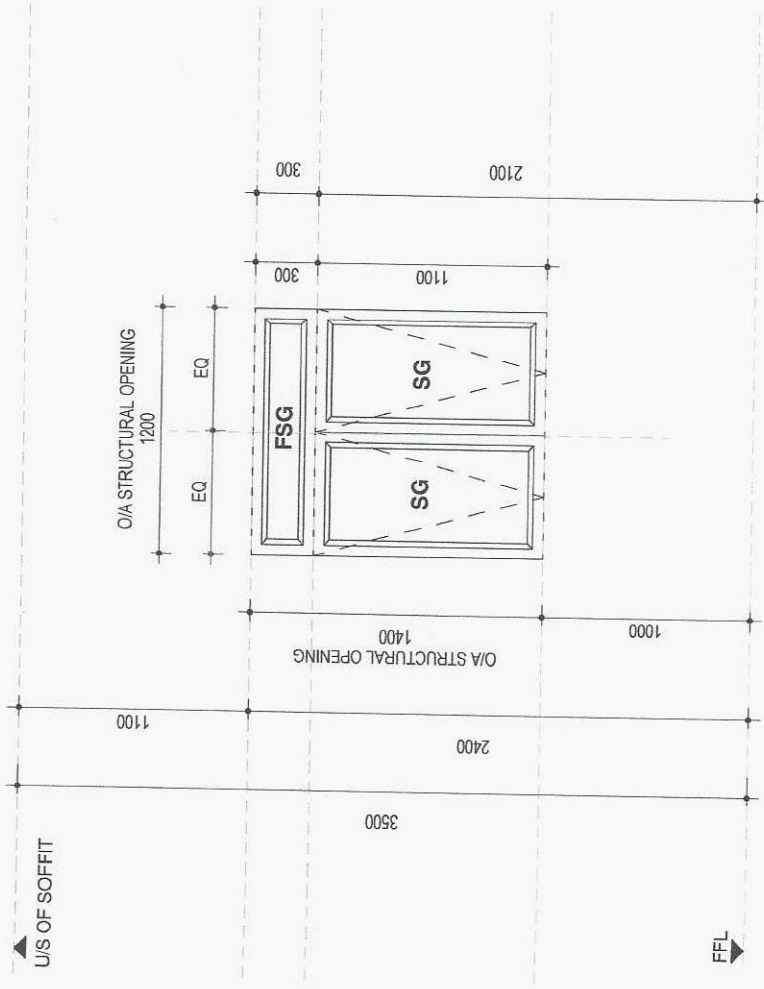
REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER: 18.12
DRAWING NUMBER: DS-02-5232
SKETCH: ☐ COUNCIL: ☐ INFORMATION ONLY: ☒ CONSTRUCTION: ☐
SCALE: A3 - 1:25
DWG DATE: 11/03/23
DRAWN: EN
ARCHITECT: CT

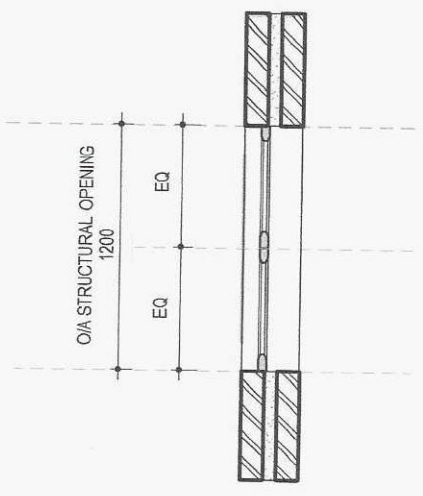
PROJECT: General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed E1 "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152
CLIENT: KZN DoPW

C/A Charles Taylor Architect cc
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TEL: 032 946 3853
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EMAIL: charles@ctab.co.za
UPE - SICAP NO: 4840
ARCHITECT'S SIGNATURE

Window Schedule Type RSK02 (Kitchen Hatch)



FRONT ELEVATION
1:25



PLAN
1:25

WINDOW INFO - TYPE WA-01					
Type	Description	QTY	Frame Type	Frame Specification	Glazing Type
02 GROUND FLOOR					
WA-01	VANDAL PROOFED ALUMINIUM FRAME WINDOWS WITH FIXED TOP PANEL AND TOP HUNG BOTTOM PANELS AS PER SCHEDULES	48	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71148 MATT CHARCOAL	9mm TOUGHENED SAFETY GLASS, PROTECTED WITH 'TRELLISOR' OR EQUAL APPROVED VANDAL RESISTANT S/S MESH FITTED INTO S/S FRAME (GRADE 316), FIXED ON INTERNAL SIDE OF THE BUILDING WITH THE GLAZING ON THE OUTSIDE FACE OF THE BUILDING. ALL TO COMPLY WITH SANS10400 PART N.
Grand total: 48		48			
			Fire Rating	Comments	
				ALL GLASS PANELS TO BE TOUGHENED SAFETY GLASS, FIXED BOTTOM PANEL TO BE FROSTED GLASS AND TOP HUNG PANELS TO BE TOUGHENED CLEAR GLASS. ALL EXTERNAL GLASS TO BE "LOW E" TOUGHENED SAFETY GLASS OR EQUALLY APPROVED WITH A U-VALUE OF 3.7W/M2K AND SHADING COEFF	

NOTES

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- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE NKS SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
- THE DRAWING MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS' DRAWINGS.
- ALL DOOR STILES (TOP AND BOTTOM RAILS) TO BE 90mm THICK.
- ALL SHUTTERS EXCEEDING AN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO SUBMITTER'S DETAILS.

REV.

NO

DATE

DESCRIPTION

NAME

PROJECT NUMBER

18.12

DRAWING NUMBER

DS-02-5233

REVISION

24/2025

12:33:28 PM

SKETCH

COUNCIL

INFORMATION ONLY

CONSTRUCTION

SCALE

A3 - 1:25

DWG DATE

11/21/23

DRAWN

EN

ARCHITECT

CT

PROJECT

General Justice Giza Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152

CLIENT

KZN DoPW

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Charles Taylor Architect cc

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UPP - SACAP NO - 4840

ARCHITECT'S SIGNATURE

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UPP - SACAP NO - 4840

ARCHITECT'S SIGNATURE

KWAZULU-NATAL PROVINCE

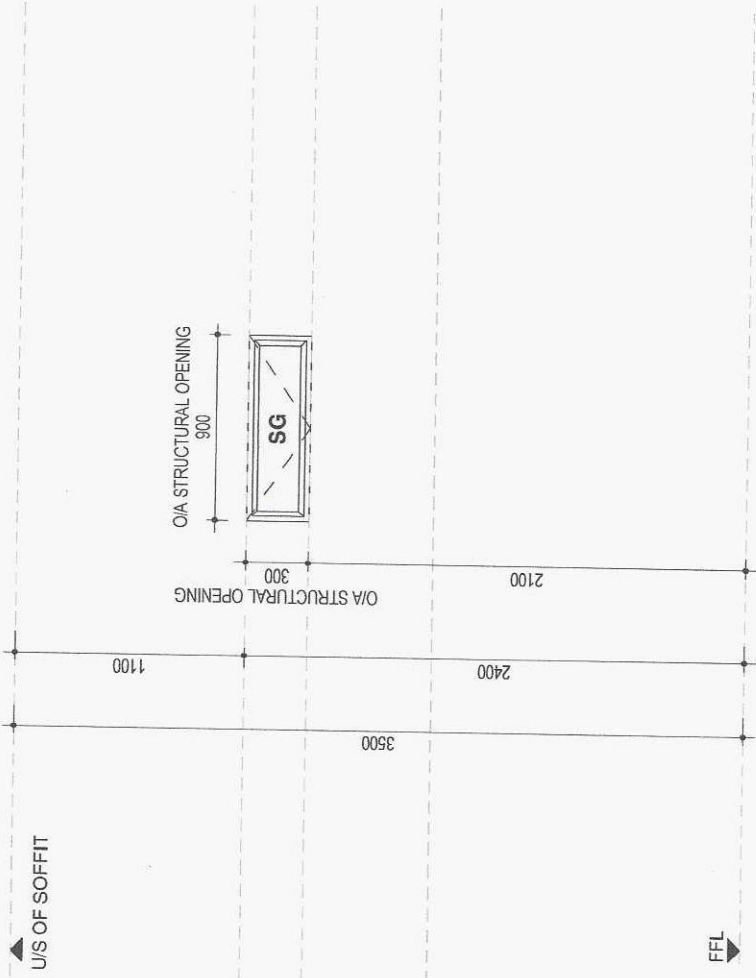
PUBLIC WORKS INFRASTRUCTURE

REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE

HEALTH

REPUBLIC OF SOUTH AFRICA



FRONT ELEVATION
1:25

PLAN
1:25

WINDOW INFO - TYPE WB-01

Type	Description	QTY	Frame Type	Frame Specification	Glazing Type	Fire Rating	Comments
02 GROUND FLOOR							
WB-01	VANDAL PROOFED ALUMINIUM FRAME TOP HUNG WINDOW. AS PER SCHEDULES	6	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	9mm TOUGHENED SAFETY GLASS, PROTECTED WITH 'TRELLIDOR' OR EQUAL APPROVED VANDAL RESISTANT S/S MESH FITTED INTO S/S FRAME (GRADE 316), FIXED ON INTERNAL SIDE OF THE BUILDING WITH THE GLAZING ON THE OUTSIDE FACE OF THE BUILDING. ALL TO COMPLY WITH SANS10400 PART N.	N/A	ALL GLASS PANELS TO BE TOUGHENED SAFETY GLASS, FIXED BOTTOM PANEL TO BE FROSTED GLASS AND TOP HUNG PANELS TO BE TOUGHENED CLEAR GLASS. ALL EXTERNAL GLASS TO BE "LOW E" TOUGHENED SAFETY GLASS OR EQUALLY APPROVED WITH A U-VALUE OF 3.7W/M2K AND SHADING COEFF
Grand total: 6		6					

NOTES

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- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS AND LOCAL AUTHORITY REGULATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
- THE DRAWING MANAGER IS TO BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ARCHITECT.
- THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH CONSULTANT DRAWINGS.
- ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM) ARE TO BE 50mm THICK.
- ALL SHOPFRONTS EXCEEDING AN HEIGHT OF 2.1m ARE TO BE SUPPORTED BY STRUCTURAL STEEL TO EQUIVISE DETAIL.

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Shaka and Patterson Street, Stanger | WIMS No : 048152

CLIENT
KZN DoPW

PROJECT NUMBER
18.12

DRAWING NUMBER
DS-02-5234

REVISION
24/02/2025 12:33:28 PM

SKETCH
SCALE

COUNCIL
INFORMATION ONLY

DWG DATE
11/21/23

DRAWN
EN

ARCHITECT
CT

NAME

DESCRIPTION

DATE

REV. No

Charles Taylor
Architect cc

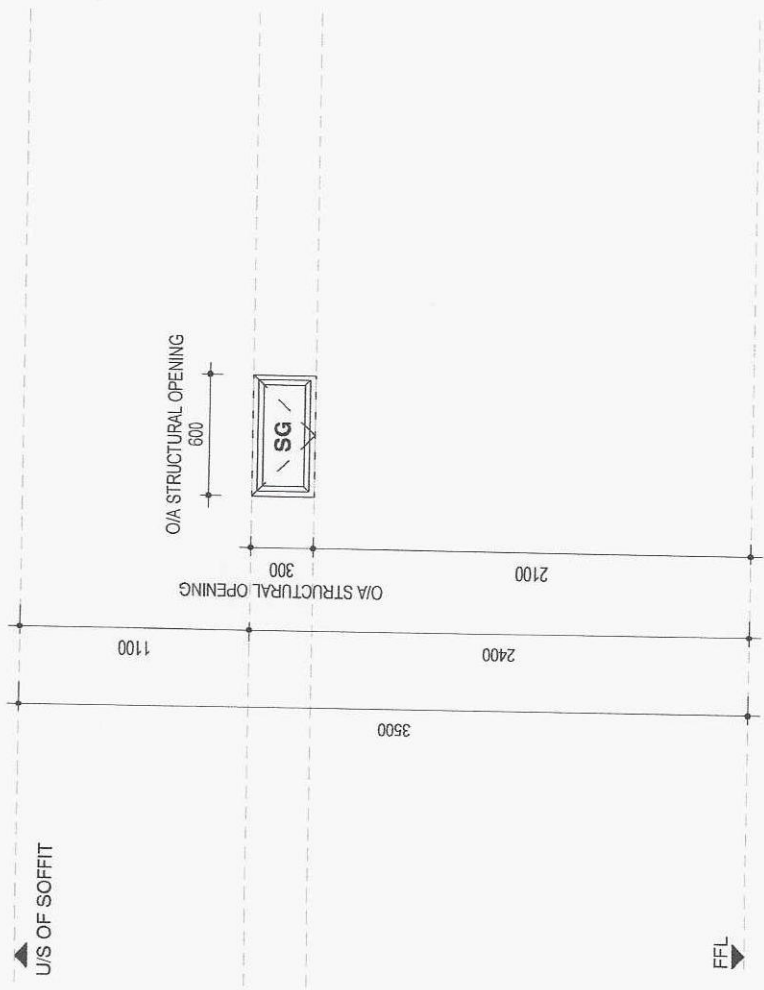
Charles Brainerd Taylor
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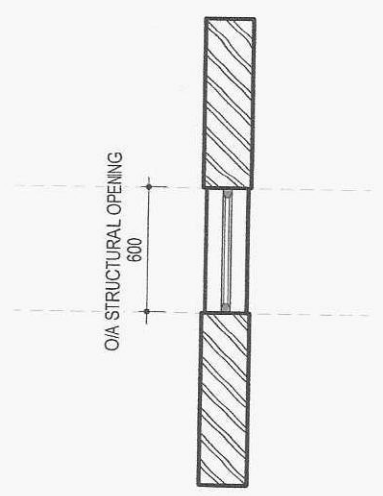
KWAZULU-NATAL PROVINCE
PUBLIC WORKS INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

Window Schedule Type WB-01



FRONT ELEVATION
1:25



PLAN
1:25

WINDOW INFO - TYPE WB-02									
Type	Description	QTY	Frame Type	Frame Specification	Glazing Type	Fire Rating	Comments		
WB-02	VANDAL PROOFED ALUMINIUM FRAME TOP HUNG WINDOW, AS PER SCHEDULES	4	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	9mm TOUGHENED SAFETY GLASS, PROTECTED WITH 'TRELIDOR' OR EQUAL APPROVED VANDAL RESISTANT S/S MESH FITTED INTO S/S FRAME (GRADE 316), FIXED ON INTERNAL SIDE OF THE BUILDING WITH THE GLAZING ON THE OUTSIDE FACE OF THE BUILDING. ALL TO COMPLY WITH SANS10400 PART N.	N/A	ALL GLASS PANELS TO BE TOUGHENED SAFETY GLASS, FIXED BOTTOM PANEL TO BE FROSTED GLASS AND TOP HUNG PANELS TO BE TOUGHENED CLEAR GLASS. ALL EXTERNAL GLASS TO BE "LOW E" TOUGHENED SAFETY GLASS OR EQUALLY APPROVED WITH A U-VALUE OF 3.7W/M2K AND SHADING COEFF		
Grand total: 4		4							

NOTES

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- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
- THE DRAWING IS TO BE USED AS A GUIDE ONLY. THE ARCHITECT IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS.
- ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM PANELS) TO BE 90mm THICK.
- ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM PANELS) TO BE 90mm THICK.
- ALL SHOPFRONTS EXCEEDING 500mm IN HEIGHT TO BE SUPPORTED BY STAINLESS STEEL TO BUILDERS' DETAILS.

02 GROUND FLOOR

PROJECT NUMBER: 18.12

DRAWING NUMBER: DS-02-5235

REVISION: 24/2025 12:33:31 PM

SKETCH: COUNCIL: INFORMATION ONLY: CONSTRUCTION: ARCHITECT: CT

SCALE: A3 - 1:25

DWG DATE: 11/21/23

EN

PROJECT: General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT: KZN DoPW

Charles Taylor
Architect cc

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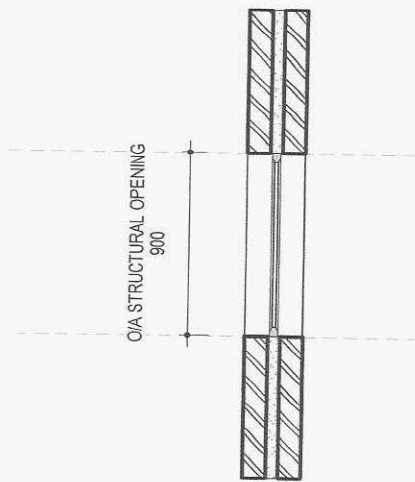
CHARLES BRANNER TAYLOR
UPE - SACAP NO - 1948

ARCHITECT'S SIGNATURE

Window Schedule Type WB-02

KWAZULU-NATAL PROVINCE
PUBLIC WORKS INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



PLAN
1:25

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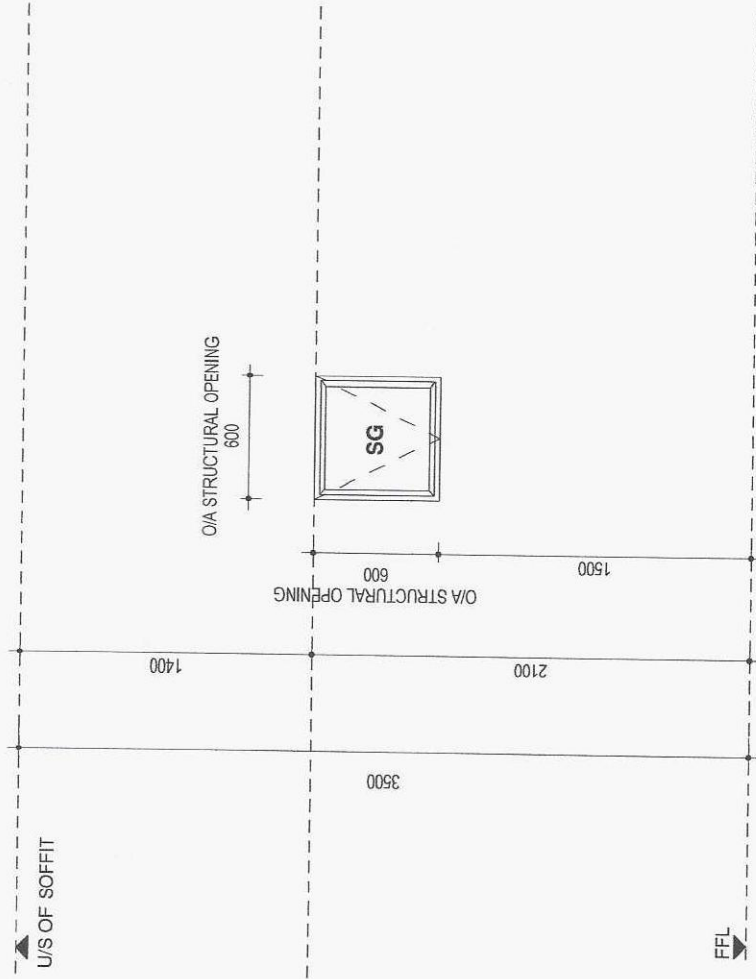
C/A Charles Taylor
Architect cc

C/A PRACTICE NO.: CK: 199401754523
VAT REG NO.: 4810449818

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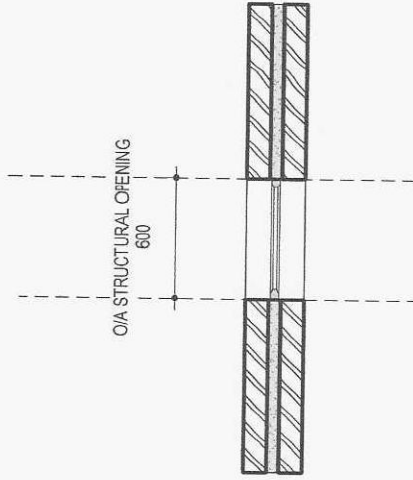
CHARLES BRAINERD TAYLOR
UPE - SACAP NO: 4840

ARCHITECT'S SIGNATURE



FRONT ELEVATION
1:25

PLAN
1:25



WINDOW INFO - TYPE WB-04

Type	Description	QTY	Frame Type	Frame Specification	Glazing Type	Fire Rating	Comments
WB-04	VANDAL PROOFED ALUMINIUM FRAME TOP HUNG WINDOW. AS PER SCHEDULES	6	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	9mm TOUGHENED SAFETY GLASS, PROTECTED WITH 'TRELLIDOR' OR EQUAL APPROVED VANDAL RESISTANT S/S MESH FITTED INTO S/S FRAME (GRADE 316), FIXED ON INTERNAL SIDE OF THE BUILDING WITH THE GLAZING ON THE OUTSIDE FACE OF THE BUILDING. ALL TO COMPLY WITH SANS10400 PART N.	N/A	ALL GLASS PANELS TO BE TOUGHENED SAFETY GLASS, FIXED BOTTOM PANEL TO BE FROSTED GLASS AND TOP HUNG PANELS TO BE TOUGHENED CLEAR GLASS. ALL EXTERNAL GLASS TO BE "LOW E" TOUGHENED SAFETY GLASS OR EQUALLY APPROVED WITH A UVALUE OF 3.7W/M2K AND SHADING COEFF
Grand total: 6		6					

NOTES

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- THE DRAWING MAY NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STILES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 60mm THICK.
- ALL DOOR STILES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 60mm THICK.
- ALL SHOPFRONTS EXCEEDING MAIN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TOWERS.

REV	No	DATE	DESCRIPTION	NAME

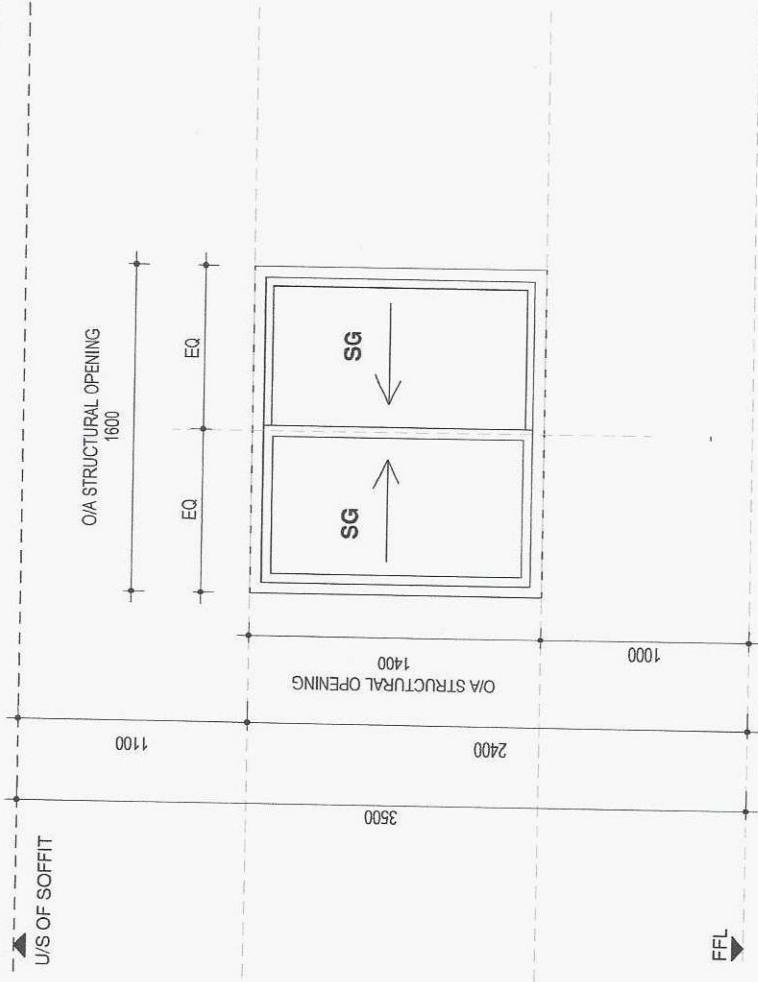
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SKETCH		COUNCIL	INFORMATION ONLY
SCALE	A3 - 1:25	DWG DATE	11/21/23
		DRAWN	EN
		ARCHITECT	CT

PROJECT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er' X' (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT
KZN DoPW

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EMAIL: charles@ctab.co.za

Window Schedule Type WB-04



FRONT ELEVATION
1:25

PLAN 1:25

WINDOW INFO - TYPE WC-01

Type	Description	QTY	Frame Type	Frame Specification	Glazing Type	Fire Rating	Comments
------	-------------	-----	------------	---------------------	--------------	-------------	----------

02 GROUND FLOOR

WC-01	VANDAL PROOFED ALUMINIUM FRAME TRANSACTIONS WINDOWS SYSTEM WITH SLIDING PANELS, AS PER SCHEDULES	2	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	9mm TOUGHENED SAFETY GLASS, PROTECTED WITH 'TRELIDOR' OR EQUAL APPROVED VANDAL RESISTANT S/S MESH FITTED INTO S/S FRAME (GRADE 316), FIXED ON INTERNAL SIDE OF THE BUILDING WITH THE GLAZING ON THE OUTSIDE FACE OF THE BUILDING. ALL TO COMPLY WITH SANS10400 PART N.	N/A	ALL GLASS PANELS TO BE TOUGHENED SAFETY GLASS, FIXED BOTTOM PANEL TO BE FROSTED GLASS AND TOP HUNG PANELS TO BE TOUGHENED CLEAR GLASS. ALL EXTERNAL GLASS TO BE "LOW E" TOUGHENED SAFETY GLASS OR EQUALLY APPROVED WITH A U-VALUE OF 3.7W/M2K AND SHADING COEFF
Grand total: 2		2					

NOTES
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* ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS AND ANY APPLICABLE BY-LAWS.
* ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
* THE DRAWINGS AND SPECIFICATIONS ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
* THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
* ALL DOOR STILES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 80mm THICK.
* ALL SHOP-FRONT EXCEEDING 3M IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL COLUMN/BEAMS.
* DETAILS

REV.	NO	DATE	DESCRIPTION	NAME

PROJECT NUMBER	18.12	DRAWING NUMBER	DS-02-5238	REVISION	24/2025
SKETCH		COUNCIL	INFORMATION ONLY	CONSTRUCTION	12:33:39 PM
SCALE	A3 - 1:25	DWG DATE	11/21/23	ARCHITECT	CT

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er' X' (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152
CLIENT
KZN DoPW

CJA Charles Taylor
Architect cc
7A TOWNSEND ROAD,
BALLITO, 4420
TEL: 032 946 3853
FAX: 032 946 3854
EMAIL: charles@ctab.co.za
UPE - SACAP NO: 4640
ARCHITECT'S SIGNATURE

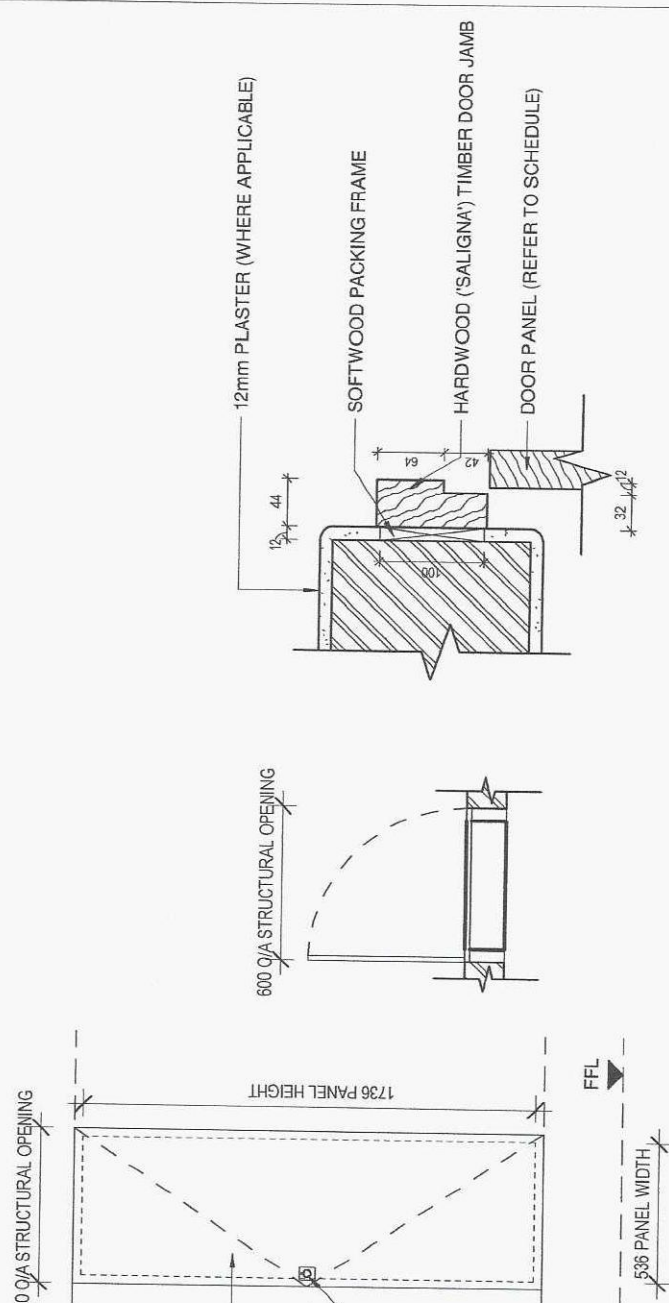
Window Schedule Type WC-01

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS
(DOOR AND WINDOWS) AS BRICK PIER OR
CONCRETE MIX BY SPECIALIST.

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL
SIZES ARE CHECKED WITH STRUCTURAL
OPENINGS ON SITE AND CROSS REFERENCED
WITH LATEST FRAME DETAILS WD-XX-5200.1 &
WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.
THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW
FOR FLOOR FINISHES AND SCREED. PANELS TO
BE UNDERCUT WHERE NECESSARY. THRESHOLD
TO BE ABOVE SFL AND BENEATH DOOR PANEL
BASE.
ALL VIEWING PANELS TO BE 9mm TOUGHENED
SAFETY GLASS. 1 OR 2 HOURS FIRE RATED TO
MATCH THE DOOR FIRING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND
TO COMPLY WITH SANS10400-N
ALL DOORS TO HAVE A CONTINUOUS VERTICAL
CORROSION-RESISTANT HEAVY-DUTY HINGE
SOLUTION
* SECLUSION ROOM DOORS TO BE CLADDED
WITH S/S SHEETING AND CHANNEL
ALL THE DOORS TO BE PREPPED PRIOR TO
INSTALLATION ON SITE.
ALL FIRE DOORS TO BE FITTED WITH SELF
CLOSING DEVICE. DOOR FRAME TO BE FITTED
INTUMESCENT STRIP SMOKE-SEAL.
ALL TO ENGINEER'S SPECIFICATIONS AND IN
ACCORDANCE WITH SANS 10400 PART 1.



DOOR INFO - TYPE LL

TYPE		DESCRIPTION	PANEL/GLAZING	FRAME SPEC.		FIRE RATING	IRONMONGERY	QTY
LL		SINGLE TDM SOLID FLUSH DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH TWO HINGES PER LEAF. DOORS TO BE TREATED WITH 1x TIMBER PRIMER, 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO MATCH INSERTED WALL FINISH.		HARDWOOD TIMBER FRAME AS PER DETAILS ON WD-XX-5200.2 DOOR FRAMES TO BE TREATED WITH 1x TIMBER PRIMER, 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION		N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	28

NOTES
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2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE NTA, SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
3. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
4. THE DRAWING MANAGER'S SIGNATURE IS TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
5. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANT DRAWINGS.
6. ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 9mm THICK.
7. ALL SHIPMENTS EXCEEDING 1000KG ARE TO BE SUPPLIED BY ROAD (UNLESS DRAWINGS SPECIFY OTHERWISE).
8. DETAILS

REV. NO.	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	DS-XX-5227		3/25/2025
SKETCH	COUNCIL	INFORMATION ONLY	1/07/46 PM
SCALE		☒ CONSTRUCTION	
A3 - As Indicated	DWG DATE	DRAWN	ARCHITECT
	11/03/23	EN	CT

PROJECT: General Justice Gizaiga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "x" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT: KZN DoPW

C/A Charles Taylor
Architect cc
7A TOWNSEND ROAD,
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TEL : 032 946 3853
FAX : 032 946 3854
EMAIL : charles@ctab.co.za

CHARLES BRANDED TAYLOR
UPE - SACAP NO. 4840
ARCHITECT'S SIGNATURE

GENERAL DOOR NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SORCED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS. 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.

ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS10400-N

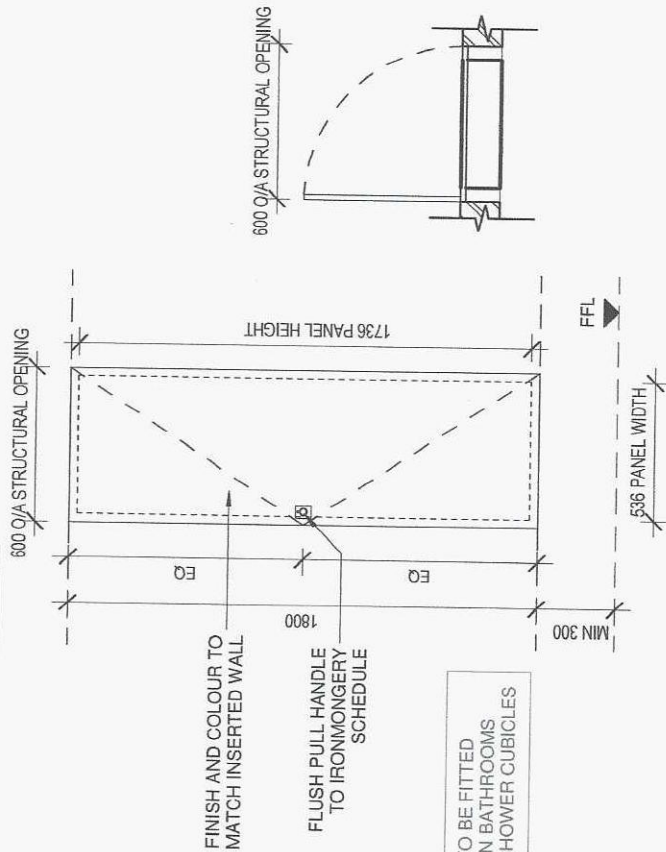
ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO PREPARED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL
ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES
ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.



DOOR INFO - TYPE LL-F2

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
LL-F2	IFUBA (OR SIMILARLY APPROVED) CLASS 'B' SINGLE PANEL 2 HOUR FIRE RATED DOOR HIGH FINISHED ON BOTH SIDES WITH 32MM HARDBOARD SUITABLE FOR PAINTING WITH FRAME SUITABLE FOR ONE BRICK WALL AND PREPARING FRAME FOR DOOR CLOSER AND LOCK. TO BE SABS 1253/1944 FI	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH TWO HINGES PER LEAF. DOORS TO BE TREATED WITH 1x TIMBER PRIMER, 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO MATCH INSERTED WALL FINISH.	HARDWOOD TIMBER FRAME AS PER DETAILS ON WD-XX-5200.2 DOOR FRAMES TO BE TREATED WITH 1x TIMBER PRIMER, 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	2 HOUR	AS PER ATTACHED IRONMONGERY SCHEDULE	1

NOTES
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 2. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE N.B.S. SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
 3. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
 4. THE DRAWING IS TO BE USED AS A GUIDE ONLY. THE ARCHITECT IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS.
 5. THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH CONSULTANT DRAWINGS.
 6. ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 50mm THICK.
 7. ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 50mm THICK.
 8. ALL DOOR FRAMES EXCEEDING AN HEIGHT TO BE SUPPLIED BY THE ARCHITECT. S. TEL TO ENGINEER'S DETAILS.

REV.	NO	DATE	DESCRIPTION	NAME

PROJECT NUMBER	18.12	DRAWING NUMBER	DS-XX-5228
SKETCH	COUNCIL	INFORMATION ONLY	☒
SCALE	A3 - As indicated	DWG DATE	11/03/23
EN	CT	ARCHITECT	

PROJECT: General Justice Gizaanga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed 'Er' 'X' (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT: KZN DoPW

Charles Taylor
 Architect cc
 7A TOWNSEND ROAD,
 BALITTO, 4420
 TEL: 032 946 3853
 FAX: 032 946 3854
 EMAIL: charles@ctab.co.za

Door Schedule Type LL-F2

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS
(DOOR AND WINDOWS) AS BRICK PIER OR
CONCRETE MIX BY SPECIALIST.

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL
SIZES ARE CHECKED WITH STRUCTURAL
OPENINGS ON SITE AND CROSS REFERENCED
WITH LATEST FRAME DETAILS WD-XX-5200.1 &
WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.
THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW
FOR FLOOR FINISHES AND SCREED. PANELS TO
BE UNDERCUT WHERE NECESSARY. THRESHOLD
TO BE ABOVE SFL AND BENEATH DOOR PANEL
BASE.

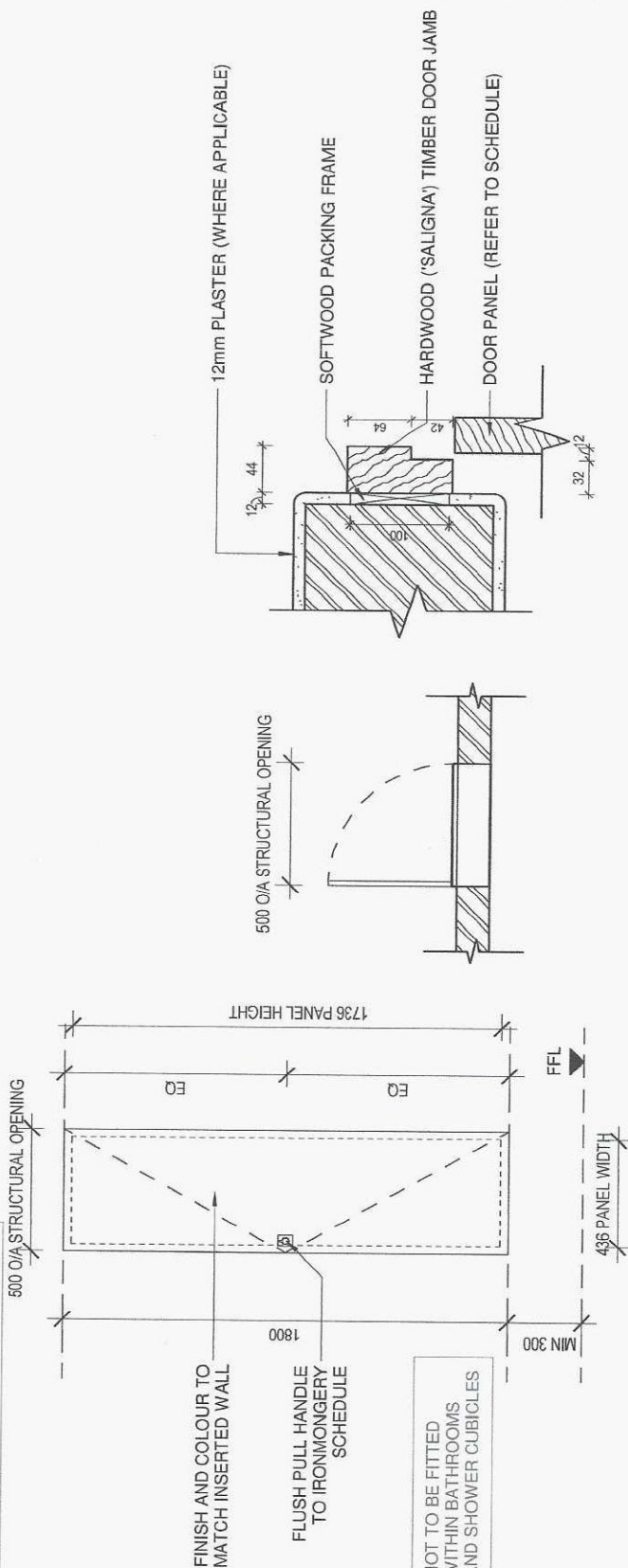
ALL VIEWING PANELS TO BE 9mm TOUGHENED
SAFETY GLASS.1 OR 2 HOURS FIRE RATED TO
MATCH THE DOOR FIRING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND
TO COMPLY WITH SANS10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL
CORROSION-RESISTANT HEAVY-DUTY HINGE
SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED
WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO BE PREPPED PRIOR TO
INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF
CLOSING DEVICE. DOOR FRAME TO BE FITTED
INTUMESCENT STRIP SMOKE-SEAL.
ALL TO ENGINEER'S SPECIFICATIONS AND IN
ACCORDANCE WITH SANS 10400 PART 1.



DOOR INFO - TYPE LL-M

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
LL-M	SINGLE TDM SOLID FLUSH DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH TWO SIDES WITH TWO HINGES PER LEAF. DOORS TO BE TREATED WITH 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO MATCH INSERTED WALL FINISH.	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH TWO HINGES PER LEAF. DOORS TO BE TREATED WITH 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO MATCH INSERTED WALL FINISH.	HARDWOOD TIMBER FRAME AS PER DETAILS ON WD-XX-5200.2 DOOR FRAMES TO BE TREATED WITH 1x TIMBER PRIMER, 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	2

NOTES

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- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
- ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STILES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 90mm THICK.
- ALL DOOR STILES TO BE 90mm THICK.
- ALL SHAPES/DETAILS EXCEEDING 500mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO COMPLY WITH SANS 10400-N

DETAILS

CHARLES BRAINERD TAYLOR
LUPE - SACAP NO. 4940

7A TOWNSEND ROAD,
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FAX : 032 946 3854
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C/A Charles Taylor
Architect cc
VAT REG NO. : 451048916

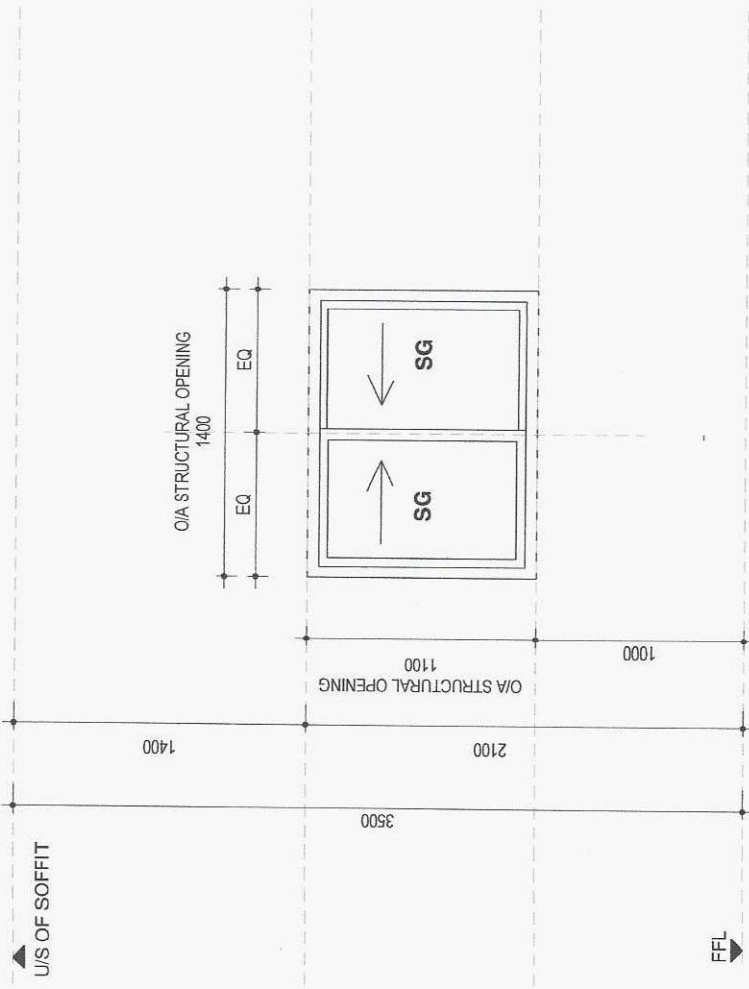
REV. NO	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	DS-XX-5229	325/2025	137 51 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	EN	CT

PROJECT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger J WIMS No : 048152
CLIENT
KZN DoPW

Door Schedule Type LL-M

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



FRONT ELEVATION
1:25

PLAN 1:25

WINDOW INFO - TYPE WC-02						
Type	Description	QTY	Frame Type	Frame Specification	Glazing Type	Fire Rating
WC-02	VANDAL PROOFED ALUMINIUM FRAME TRANSACTIONS WINDOWS SYSTEM WITH SLIDING PANELS, AS PER SCHEDULES	2	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	9mm TOUGHENED SAFETY GLASS, PROTECTED WITH 'TRELLIDOR' OR EQUAL APPROVED VANDAL RESISTANT S/S MESH FITTED INTO S/S FRAME (GRADE 316), FIXED ON INTERNAL SIDE OF THE BUILDING WITH THE GLAZING ON THE OUTSIDE FACE OF THE BUILDING. ALL TO COMPLY WITH SANS10400 PART N.	N/A
Grand total: 2		2	ALL GLASS PANELS TO BE TOUGHENED SAFETY GLASS, FIXED BOTTOM PANEL TO BE FROSTED GLASS AND TOP HUNG PANELS TO BE TOUGHENED CLEAR GLASS. ALL EXTERNAL GLASS TO BE "LOW E" TOUGHENED SAFETY GLASS OR EQUALLY APPROVED WITH A U-VALUE OF 3.7W/M2K AND SHADING COEFF			

02 GROUND FLOOR

NOTES:

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- ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE SANS 1040 AND LOCAL AUTHORITY REGULATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
- ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM PANELS) TO BE 50mm THICK.
- ALL SHROFFS EXCEEDING 50mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TIE RODS.

Charles Taylor Architect cc

7A TOWNSEND ROAD, BALITO, 4420

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EMAIL : charles@ctab.co.za

Charles Bramero Taylor

UPE - SACAP NO: 4840

ARCHITECT'S SIGNATURE

PROJECT NUMBER: 18.12

DRAWING NUMBER: DS-02-5239

SKETCH: COUNCIL

SCALE: A3 - 1:25

REVISION: 11/21/23

EN

CT

PROJECT: General Justice Gzenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er'x" (to be designated on Registration), corner of King Shaka and Patterson street, Slanger | WINS No : 048152

CLIENT: KZN DoPW

Charles Taylor Architect cc

7A TOWNSEND ROAD, BALITO, 4420

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EMAIL : charles@ctab.co.za

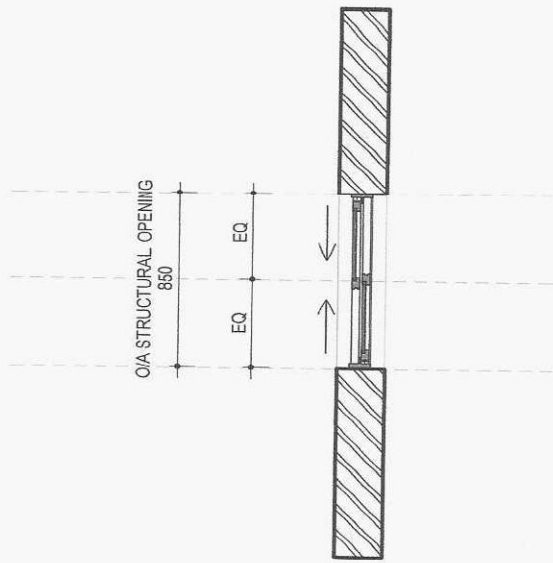
UPE - SACAP NO: 4840

ARCHITECT'S SIGNATURE

Window Schedule Type WC-02

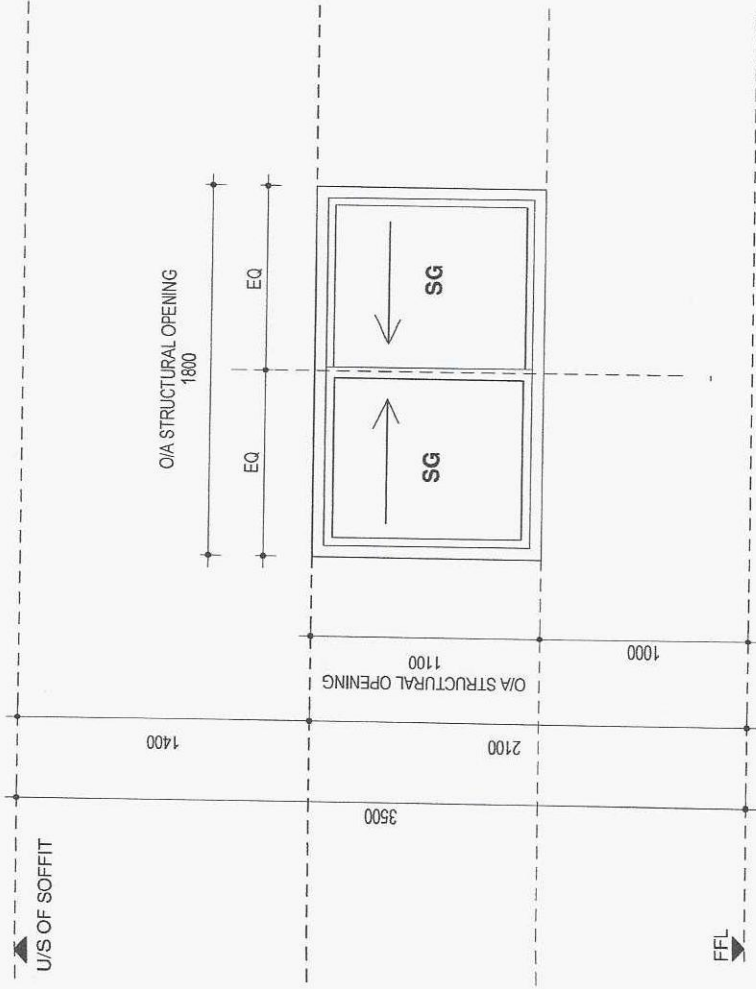
KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

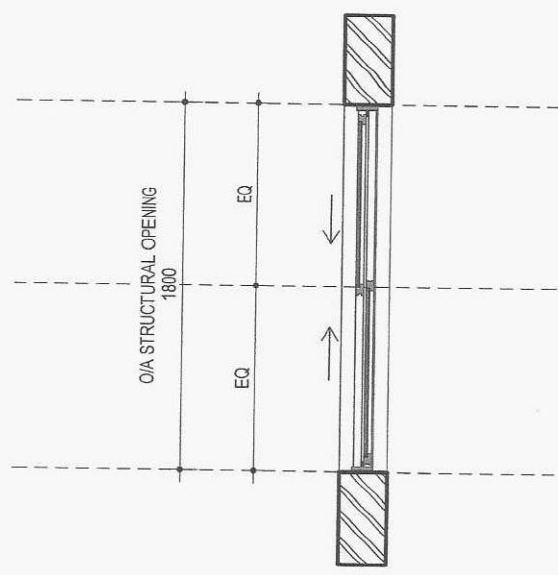


PLAN 1:25

 KWAZULU-NATAL PROVINCE PUBLIC WORKS & INFRASTRUCTURE REPUBLIC OF SOUTH AFRICA	 KWAZULU-NATAL PROVINCE HEALTH REPUBLIC OF SOUTH AFRICA
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FRONT ELEVATION
1:25



PLAN 1:25

WINDOW INFO - TYPE WC-04									
Type	Description	QTY	Frame Type	Frame Specification	Glazing Type	Fire Rating	Comments		
WC-04	VANDAL PROOFED ALUMINIUM FRAME TRANSACTIONS WINDOWS SYSTEM WITH SLIDING PANELS. AS PER SCHEDULES	1	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	9mm TOUGHENED SAFETY GLASS, PROTECTED WITH TRELLIDOR OR EQUAL APPROVED VANDAL RESISTANT SIS MESH FITTED INTO SIS FRAME (GRADE 316), FIXED ON INTERNAL SIDE OF THE BUILDING WITH THE GLAZING ON THE OUTSIDE FACE OF THE BUILDING. ALL TO COMPLY WITH SANS10400 PART N.	N/A	ALL GLASS PANELS TO BE TOUGHENED SAFETY GLASS, FIXED BOTTOM PANEL TO BE FROSTED GLASS AND TOP HUNG PANELS TO BE TOUGHENED CLEAR GLASS. ALL EXTERNAL GLASS TO BE "LOW E" TOUGHENED SAFETY GLASS OR EQUALLY APPROVED WITH A U-VALUE OF 3.7W/M2K AND SHADING COEFF		
Grand total: 1									

NOTES		PROJECT		PLOT DATE		REVISION		DRAWING NUMBER		DWG DATE		ARCHITECT		CLIENT	
THE DESIGN OF THIS DRAWING IS COPYRIGHT AND REMAINS THE PROPERTY OF THE ARCHITECT. COPYRIGHT IS RESERVED. MAKE ARCHITECTS REGISTERED AS MADE ARCHITECTS PREVIOUSLY KNOWN AS MP ARCHITECTS. ANY CHANGE IN ARCHITECTS MUST BE IN WRITING AND IN ACCORDANCE WITH THE ARCHITECTS' ACT AND LOCAL AUTHORITY REGULATIONS.		General Justice Gzenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er' X' (to be designated on Registration), corner of King Shaka and Patterson street, Sanger WIMS No : 043152		3/25/2025 8/10/42 PM		A		DS-02-5241		11/21/23		EN		KZN DoPW	
ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.		SKETCH		COUNCIL		INFORMATION ONLY		SCALE		1:25		A3 - 1:25		CT	
ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.		NAME		DATE		DESCRIPTION		NAME		DATE		DESCRIPTION		NAME	
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO ALL TENDERS DRAWINGS.		EN		25/03/19		WC-04 WINDOW AND SECURITY SCREEN ADDED		EN							
ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM PANELS) TO BE 9mm THICK.															
ALL SHED FRONT ELEVATIONS AND REAR ELEVATIONS TO BE SUPPLIED BY STRUCTURAL STEEL TO BUILDERS DETAILS.															

Charles Taylor
Architect cc
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Charles Brainerd Taylor
UPE - SACAP NO- 4640
ARCHITECT'S SIGNATURE

CIA
C/A PRACTICE NO.: CK 1394017545/23
VAT REG NO.: 4810148918

KWAZULU-NATAL PROVINCE
PUBLIC WORKS INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

Window Schedule Type WC-04

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS, 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.

ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS 10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

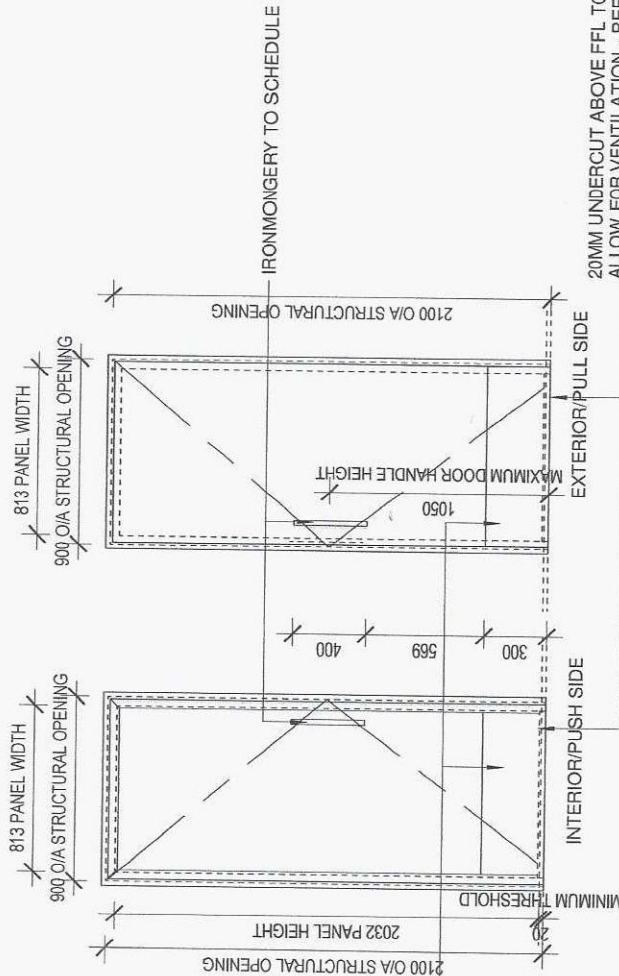
ALL THE DOORS TO BE PREPPED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL.

ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.



DOOR INFO - TYPE GA-S

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GA-S	SINGLE TDM SOLID FLUSH DOORS WITH 3,2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF	SOLID PANEL DOORS WITH 3,2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	101

NOTES

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- ALL DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
- THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH CONSULTANT DRAWINGS.
- ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM) MUST BE 30mm THICK.
- ALL DOOR STYLES EXCLUDING DIMENSIONS INCLUDE FRAME UNLESS DRAWINGS SPECIFY OTHERWISE.
- ALL DOOR STYLES EXCLUDING DIMENSIONS MUST BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DETAILS.

Charles Taylor
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Charles Brainerd Taylor
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ARCHITECT'S SIGNATURE

REV.	No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	DS-XX-5208		3/25/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	EN	CT

PROJECT
General Justice Gizeza Moanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152
CLIENT

KZN DoPW

Door Schedule Type GA-S

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS
(DOOR AND WINDOWS) AS BRICK PIER OR
CONCRETE MIX BY SPECIALIST.

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL
SIZES ARE CHECKED WITH STRUCTURAL
OPENINGS ON SITE AND CROSS REFERENCED
WITH LATEST FRAME DETAILS WD-XX-5200.1 &
WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW
FOR FLOOR FINISHES AND SORBED. PANELS TO
BE UNDERCUT WHERE NECESSARY. THRESHOLD
TO BE ABOVE SFL AND BENEATH DOOR PANEL
BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED
SAFETY GLASS, 1 OR 2 HOURS FIRERATED TO
MATCH THE DOOR FIRATING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND
TO COMPLY WITH SANS 10400-N

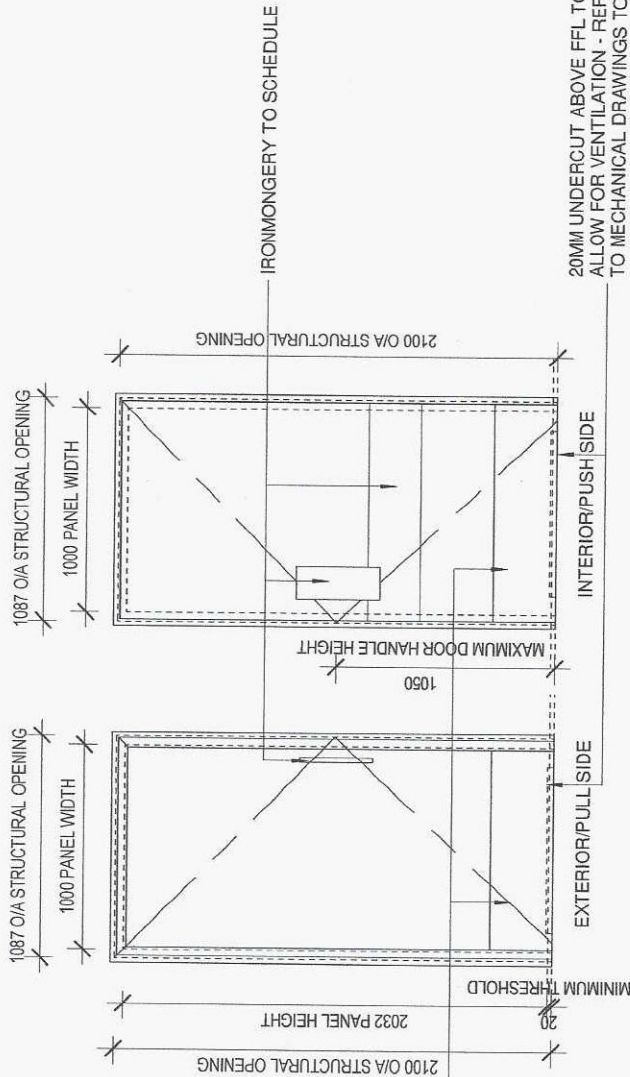
ALL DOORS TO HAVE A CONTINUOUS VERTICAL
CORROSION-RESISTANT HEAVY-DUTY HINGE
SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED
WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO BE PREPPED PRIOR TO
INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF
CLOSING DEVICE. DOOR FRAME TO BE FITTED
INTUMESCENT STRIP SMOKE-SEAL.

ALL TO ENGINEER'S SPECIFICATIONS AND IN
ACCORDANCE WITH SANS 10400 PART 1.



DOOR INFO - TYPE GA-S2

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GA-S2	SINGLE TDM SOLID FLUSH DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1X UNIVERSAL PRIMER, 1X UNIVERSAL UNDERCOAT & 2X PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1X UNIVERSAL PRIMER, 1X UNIVERSAL UNDERCOAT & 2X PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	18

NOTES:
1. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
2. ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
3. THE DRAWINGS MAY NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
4. ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM PANELS) TO BE 20MM THICK.
5. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS DRAWINGS SPECULATE OTHERWISE.
6. ALL DOOR STRUCTURAL OPENING DIMENSIONS ARE TO BE SUPPLEMENTED BY STRUCTURAL STEEL TO ENGINEER'S DETAILS.

REV. No	DATE	DESCRIPTION	NAME

PROJECT	General Justice Girenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger WIMS No : 048152
CLIENT	
PROJECT NO.	18.12
DRAWING NUMBER	DS-XX-5209
REVISION	3/05/2025 10:38 PM
SKETCH	
COUNCIL	
INFORMATION ONLY	
DWG DATE	11/03/23
DRAWN	EN
ARCHITECT	CT

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ARCHITECT'S SIGNATURE

Door Schedule Type GA-S2

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS
(DOOR AND WINDOWS) AS BRICK PIER OR
CONCRETE MIX BY SPECIALIST.

813 PANEL WIDTH
900 O/A STRUCTURAL OPENING

813 PANEL WIDTH
900 O/A STRUCTURAL OPENING

IRONMONGERY TO SCHEDULE

[illegible]

Year	1950 Projection (%)	1960 Projection (%)
1950	7.0	7.0
1960	8.0	8.0
1970	9.0	9.0
1980	10.0	11.0
1990	11.0	13.0
2000	12.0	15.0
2010	13.0	17.0
2020	14.0	19.0
2030	15.0	20.0
2040	16.0	20.0
2050	17.0	20.0

1050

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GA-S3	SINGLE TDM SOLID FLUSH DOORS WITH 3,2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1XTIMBER PRIMER, 1XUNIVERSAL UNDERCOAT & 2XPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	SOLID PANEL DOORS WITH 3,2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1XTIMBER PRIMER, 1XUNIVERSAL UNDERCOAT & 2XPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	2

NOTES

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- AUTHORITY REGULATIONS.
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- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS' DRAWINGS.
- ALL ROOM SIZES (TOP, MIDDLE AND BOTTOM RALLIES) ARE IN METRIC UNITS.
- ALL APPLICABLE EXEMPTIONS HAVE BEEN TAKEN INTO ACCOUNT AND NO FURTHER ACTION IS REQUIRED.

[illegible]

PROJECT NUMBER		DRAWING NUMBER		REVISION		PLOT DATE	
18.12		DS-XX-5210				24/12/25 12:18:21 PM	
SCALE	SKETCH	COUNCIL	INFORMATION ONLY		CONSTRUCTION		ARCHITECT
					☒		
			DWG DATE	DRAWN			

PROJECT

General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er' X' (to be designated on Registration), corner of King Shaka and Patterson street, Sangeri | WIMS No : 048152

PROJECT

Charles Taylor
cTA Architect CC
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ARCHITECTS SIGNATURE

Door Schedule Type GA-S3



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS. 1 OR 2 HOURS FIRERATED TO MATCH THE DOOR FIRING. ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS 10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH SIS SHEETING AND CHANNEL

ALL THE DOORS TO BE PREPPED PRIOR TO INSTALLATION ON SITE.

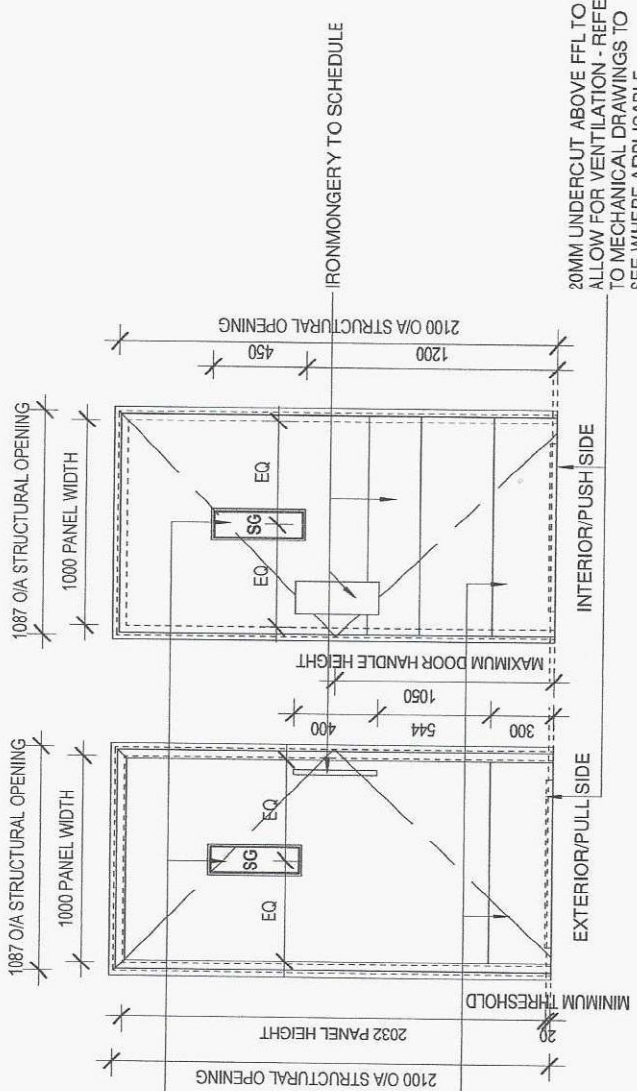
ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL. ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.

450mm x 150mm x 9mm THICK TOUGHENED SAFETY GLASS VIEWING WINDOW. 1 HOUR FIRERATED TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS 10400-N

KICK PLATE (STAINLESS STEEL TO IRONMONGERY SCHEDULE/VINYL TO FINISH SCHEDULE)



DOOR INFO - TYPE GA-F1

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GA-F1	IFUBA (OR SIMILARLY APPROVED) GLASS 'A' DOUBLE PANEL 1 HOUR FIRE RATED DOOR HIGH FINISHED ON BOTH SIDES WITH 3.2MM HARDBOARD SUITABLE FOR PAINTING WITH FRAME SUITABLE FOR ONE BRICK WALL. TO BE SABS 1253/944 FI	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED COLOUR TO CLIENT SPECIFICATION. VIEW WINDOW TO BE 9mm TOUGHENED SAFETY GLASS FIRERATED TO MATCH DOOR FIRERATING TO COMPLY WITH SANS 10400-N TO MANUFACTURER'S SPECIFICATIONS	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY. UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	1 HOUR	AS PER ATTACHED IRONMONGERY SCHEDULE	20

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4. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANT'S DRAWINGS.
5. ALL DIMENSIONS ARE TO BE TO FACE UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE TO BE TO FACE UNLESS OTHERWISE SPECIFIED.
7. ALL DIMENSIONS ARE TO BE TO FACE UNLESS OTHERWISE SPECIFIED.
8. ALL DIMENSIONS ARE TO BE TO FACE UNLESS OTHERWISE SPECIFIED.
9. ALL DIMENSIONS ARE TO BE TO FACE UNLESS OTHERWISE SPECIFIED.
10. ALL DIMENSIONS ARE TO BE TO FACE UNLESS OTHERWISE SPECIFIED.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PILOT DATE
18.12	DS-XX-5211		3/25/2025
			1:07:38 PM

SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION

SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	Author	CT

PROJECT
General Justice Gizeanga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Eri 'yx' (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152
CLIENT
KZN DoPW

Charles Taylor
Architect cc
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FAX : 022 946 3854
EMAIL : charles@ctab.co.za
CTA PRACTICE NO. : CK 18940775823
VAT REG NO. : 451048818

Door Schedule Type GA-F1

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS. 1 OR 2 HOURS FIRERATED TO MATCH THE DOOR FIRATING. ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH SS SHEETING AND CHANNEL

ALL THE DOORS TO PREPARED PRIOR TO INSTALLATION ON SITE.

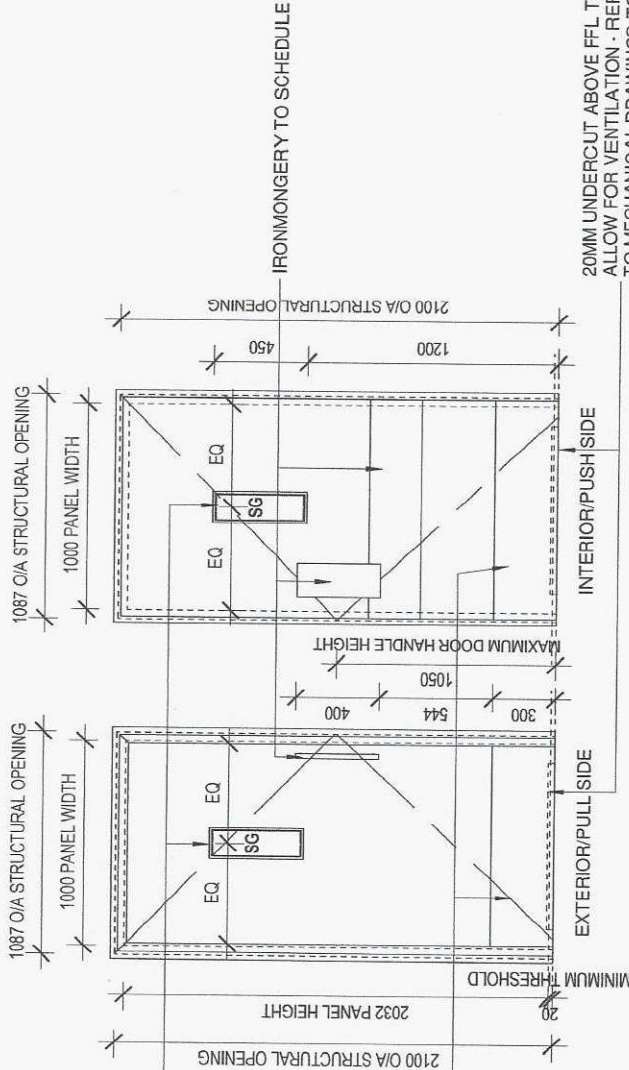
ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL. ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.

450mm x 150mm x 9mm THICK TOUGHENED SAFETY GLASS VIEWING WINDOW. 2 HOURS FIRATED. TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS 10400-N

KICK PLATE (STAINLESS STEEL TO IRONMONGERY SCHEDULE/VINYL TO FINISH SCHEDULE)



DOOR INFO - TYPE GA-F2

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GA-F2	IFUBA (OR SIMILARLY APPROVED) CLASS 'B' SINGLE PANEL 2 HOUR FIRE RATED DOOR HIGH FINISHED ON BOTH SIDES WITH 3.2MM HARDBOARD SUITABLE FOR PAINTING WITH FRAME SUITABLE FOR ONE BRICK WALL. TO BE SABS 1253/1944 FI	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION. VIEW WINDOW TO BE 9mm TOUGHENED SAFETY GLASS FIRERATED TO MATCH DOOR FIRATING TO COMPLY WITH SANS 10400-N TO MANUFACTURER'S SPECIFICATIONS	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	2 HOUR	AS PER ATTACHED IRONMONGERY SCHEDULE	1

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* ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.
* THE DRAWING MAY NOT BE SCALED.
* THESE DRAWINGS ARE TO BE USED IN CONJUNCTION TO CONSULTANTS DRAWINGS.
* ALL DOOR STRUCTURAL OPENING DIMENSIONS ARE TO BE SHOWN THICK.
* ALL SHOP DRAWINGS EXCEEDING 800mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

CJA Charles Taylor
Architect cc
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ARCHITECT'S SIGNATURE
CHARLES BRANNER TAYLOR
UPE - SACAP NO: 6940

REV.	DATE	DESCRIPTION	NAME
No			

PROJECT NUMBER	PROJECT NAME	REVISION	PLAT DATE
18.12	DS-XX-5212	2/4/2025	12:18:27 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	EN	CT

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erl'yx (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152
CLIENT

KZN DoPW

Door Schedule Type GA-F2

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS. 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.

ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS10400N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

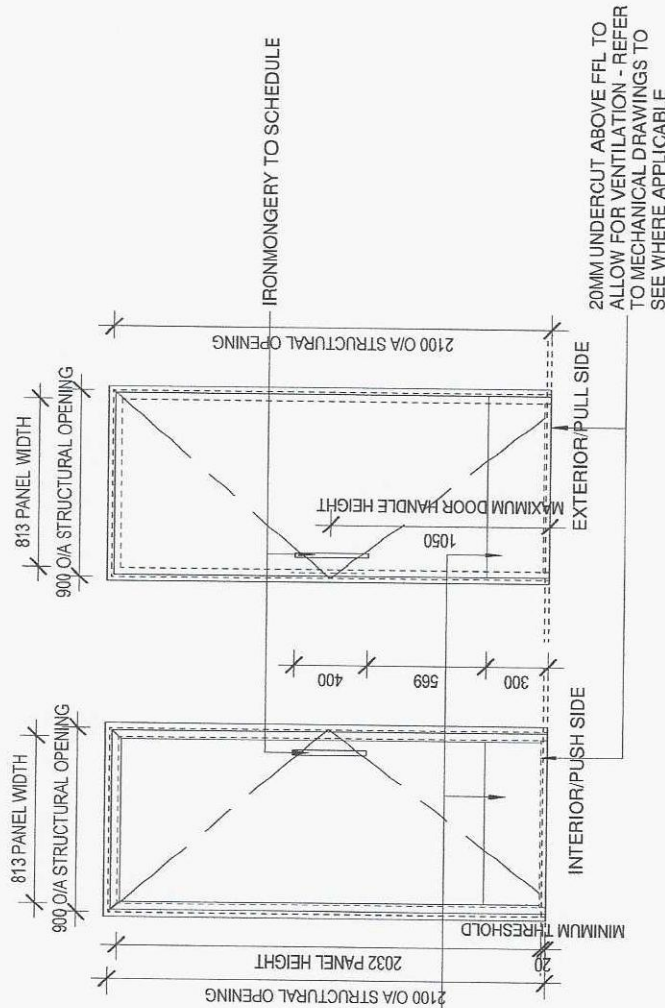
ALL THE DOORS TO BE PREPPED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL.

ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.



DOOR INFO - TYPE GA-F4

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GA-F4	IFIBA (OR SIMILARLY APPROVED) CLASS 'B' SINGLE PANEL 2 HOUR FIRE RATED DOOR HIGH FINISHED ON BOTH SIDES WITH 3.2MM HARDBOARD SUITABLE FOR PAINTING WITH FRAME SUITABLE FOR ONE BRICK WALL AND PREPARING FRAME FOR DOOR CLOSER AND LOCK. TO BE SABS 1253/1944 FI	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY. UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	2 HOUR	AS PER ATTACHED IRONMONGERY SCHEDULE	4

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• ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
• THE DRAWING MAY NOT BE SCALED.
• THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
• ALL DOOR STRUCTURE, JOINTS AND BOTTOM RAILS TO BE 9mm THICK.
• ALL DOOR STRUCTURE, JOINTS AND BOTTOM RAILS TO BE 9mm THICK.
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• ALL DOOR STRUCTURE, JOINTS AND BOTTOM RAILS TO BE 9mm THICK.

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UPE - SACAP NO: #40

ARCHITECT'S SIGNATURE

REV.	No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	DS-XX-5213	24/2025	12:18:37 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	EN	CT
A3 - As Indicated	11/03/23		

PROJECT
General Justice Gizegwa Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "X" (to be designated on Registration) - corner of King Shaka and Patterson street, Sanger | WIMS No : 048152
CLIENT

KZN DoPW

Door Schedule Type GA-F4

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS, 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.

ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS 10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

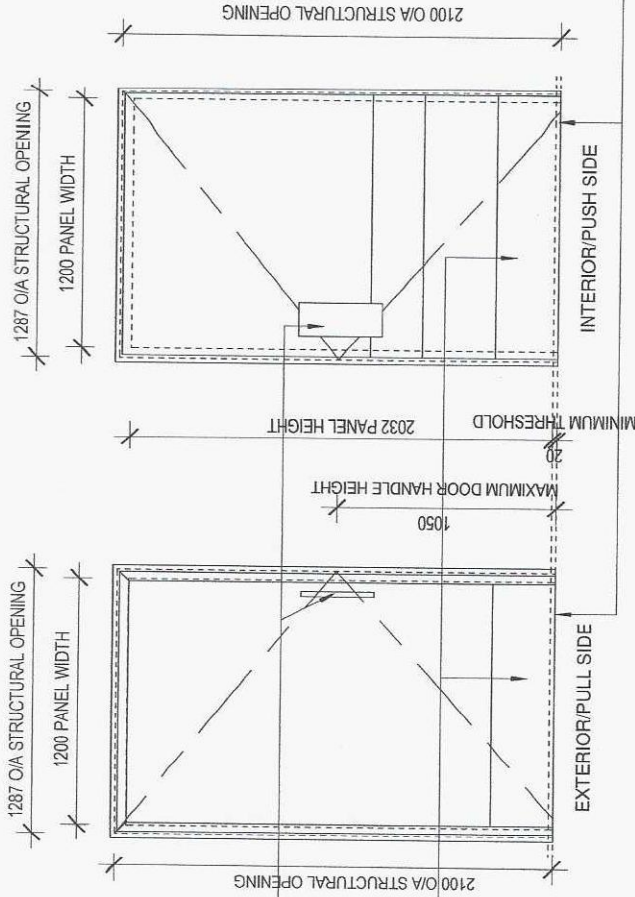
* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO BE PREPPED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL. ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.



DOOR INFO - TYPE GG-S

TYPE	DESCRIPTION	PANEL GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GG-S	SINGLE TDM SOLID FLUSH DOORS WITH 32MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1x TIMBER PRIMER, 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED COLOUR TO CLIENT SPECIFICATION	SOLID PANEL DOORS WITH 32MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1x TIMBER PRIMER, 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	6

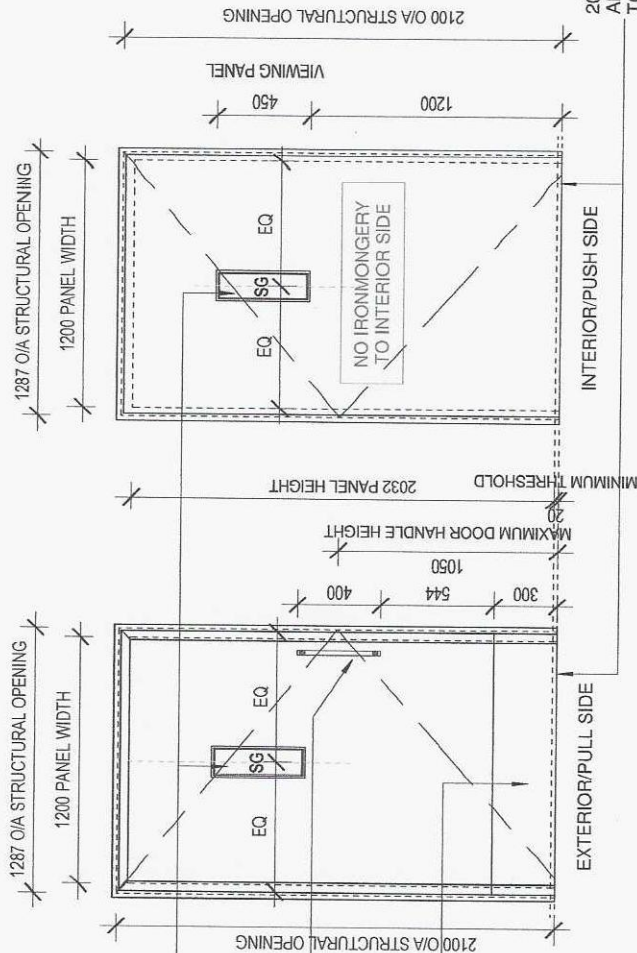
REV.	NO	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	DS-XX-5214	24/2025	12/16/46 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	EN	CT

PROJECT	CLIENT
General Justice Giza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er' X' (to be designated on Registration), corner of King Shaka and Patterson street, Slangier WIMS No : 048152	KZN DoPW

ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS
(DOOR AND WINDOWS) AS BRICK PIER OR
CONCRETE MIX BY SPECIALIST.



20MM UNDERCUT ABOVE FFL TO
ALLOW FOR VENTILATION - REFER
TO MECHANICAL DRAWINGS TO
SEE WHERE APPLICABLE

DOOR INFO - TYPE GG-F1				
TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	QTY
GG-F1	IFUBA (OR SIMILARLY APPROVED) CLASS 'A' DOUBLE PANEL, 1 HOUR FIRE RATED DOOR, HIGH FINISHED ON BOTH SIDES WITH 3.2MM HARDBOARD SUITABLE FOR PAINTING WITH FRAME SUITABLE FOR ONE BRICK WALL TO BE SABS 1253/1944 F1	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED COLOUR TO CLIENT SPECIFICATION. VIEW WINDOW TO BE 9mm TOUGHENED SAFETY GLASS FIRE RATED TO MATCH DOOR FIRE RATING TO COMPLY WITH SANS 10400-N TO MANUFACTURER'S SPECIFICATIONS	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	1 HOUR AS PER ATTACHED IRONMONGERY SCHEDULE 2

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ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE S.B.S. STANDARDS AND LOCAL AUTHORITIES REQUIREMENTS. A PERMIT TO CONSTRUCT MUST BE OBTAINED FROM THE LOCAL AUTHORITY BEFORE COMMENCING WORK.

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORKS PUT IN HAND.

ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.

ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 30mm THICK.

ALL SHOPFRONTS EXCEEDING 4M IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO DISMISHERS.

REV.

No

DATE

DESCRIPTION

NAME

PROJECT NUMBER

18.12

DRAWING NUMBER

DS-XX-5215

REVISION

24/02/2025
12:18:55 PM

PROJECT

General Justice Gtenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Slaka and Patterson street, Stanger | WIMS No : 048152

SKETCH

COUNCIL

INFORMATION ONLY

CONSTRUCTION

SCALE

DWG DATE

DRAWN

ARCHITECT

A3 - As indicated

11/03/23

EN

CT

CLIENT

KZN DoPW

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS. 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

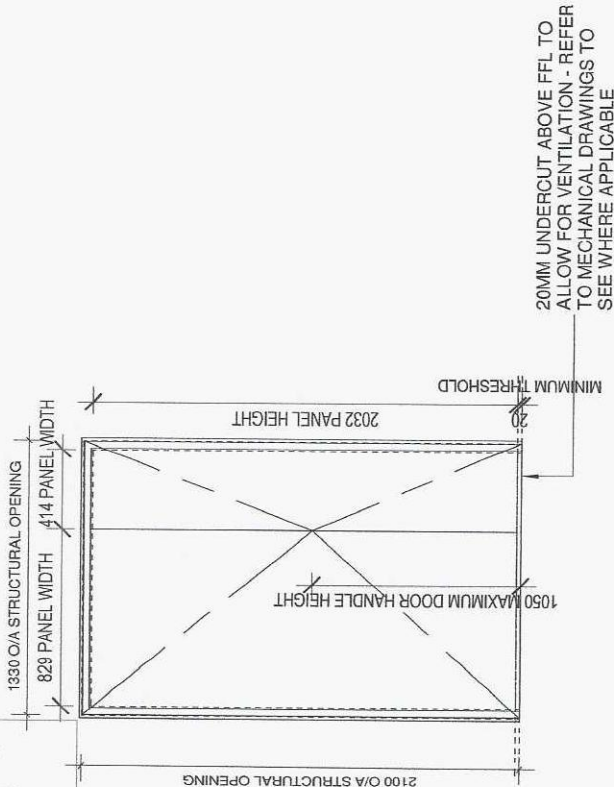
* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO PREPARED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL.
ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.



DOOR INFO - TYPE GD

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GD	DOUBLE (UNEQUAL PANELS) TDM SOLID FLUSH DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRADE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	3

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 - THE DRAWING MAY NOT BE SCALED.
 - THESE DRAWINGS ARE TO BE REASON. CONSULTANTS DRAWINGS.
 - ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS DRAWINGS SPECIFY OTHERWISE.
 - ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE N.B.S. SANS 1000 AND LOCAL AUTHORITIES REQUIREMENTS.

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UPE - SACAP NO. 4940
ARCHITECT'S SIGNATURE

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	DS-XX-5216	3/25/2025	10/7/40 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	EN	CT

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Eri 'X' (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152
CLIENT
KZN DoPW

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS. 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.

ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

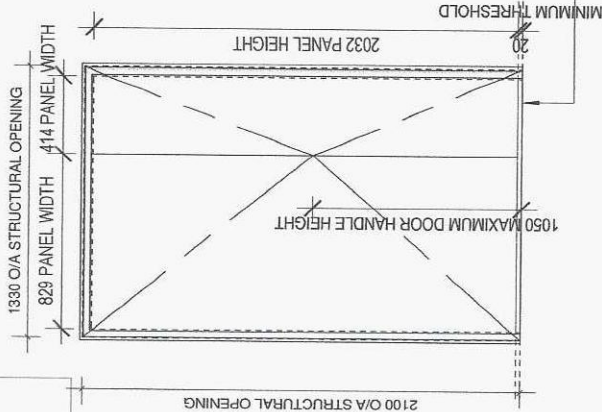
ALL THE DOORS TO BE PREPPED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL.

ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.



DOOR INFO - TYPE GD-F1

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GD-F1	IFUBA (OR SIMILARLY APPROVED) CLASS 'A' DOUBLE PANEL 1 HOUR FIRE RATED DOOR HIGH FINISHED ON BOTH SIDES WITH 3.2MM HARDBOARD SUITABLE FOR PAINTING WITH FRAME SUITABLE FOR ONE BRICK WALL AND PREPARING FRAME FOR DOOR CLOSER AND LOCK. TO BE SABS 1253/1944 F1	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1x TIMBER PRIMER, 1x UNIVERSAL UNDERCOAT & 2x PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASIVE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	1 HOUR	AS PER ATTACHED IRONMONGERY SCHEDULE	3

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- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE STIPULATED OTHERWISE.
- ALL SHOP DRAWINGS EXCEEDING 900mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

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CHARLES BRAUNER TAYLOR
UPE - SACAP NO: 4940

ARCHITECT'S SIGNATURE

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	DS-XX-5217	3/25/2025	107:43 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As Indicated	11/03/23	EN	CT

PROJECT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf 'X' (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT

KZN DoPW

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS.1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.

ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH SIS SHEETING AND CHANNEL

ALL THE DOORS TO PREPPED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL.

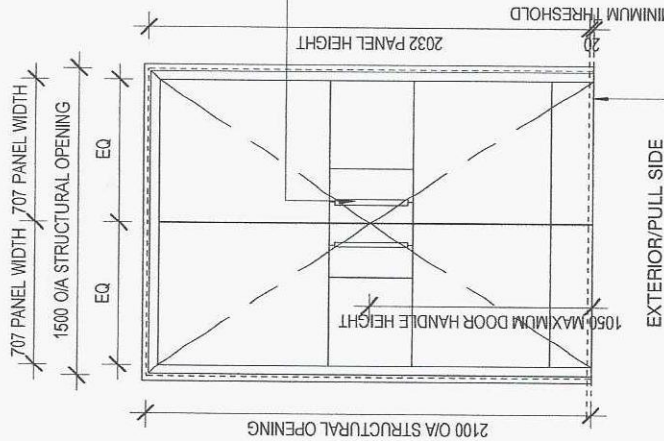
ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART T.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF

ALL FRAMES AND PANELS TO BE VANDAL PROOF

FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.



DOOR INFO - TYPE DD-S

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
DD-S	DOUBLE TDM SOLID FLUSH DOORS WITH 32MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF.	SOLID PANEL DOORS WITH 32MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1X TIMBER PRIMER, 1X UNIVERSAL UNDERCOAT & 2X PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL D-XX-5200 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLVY DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY. UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	10

NOTES

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- THE DRAWING MAY NOT BE SCALED.
- THESE DRAWINGS ARE TO BE USED IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS DRAWINGS SPECIFY OTHERWISE.
- ALL DOOR PROFILES EXCEEDING 500 IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

REV.	No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	DS-XX-5218	24/2025	12/19/25 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	EN	CT

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Eh 'X' (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT
KZN DoPW

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CHARLES BRANIGRO TAYLOR
UPE - SACAP NO. 4940
ARCHITECT'S SIGNATURE

Door Schedule Type DD-S

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.
THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

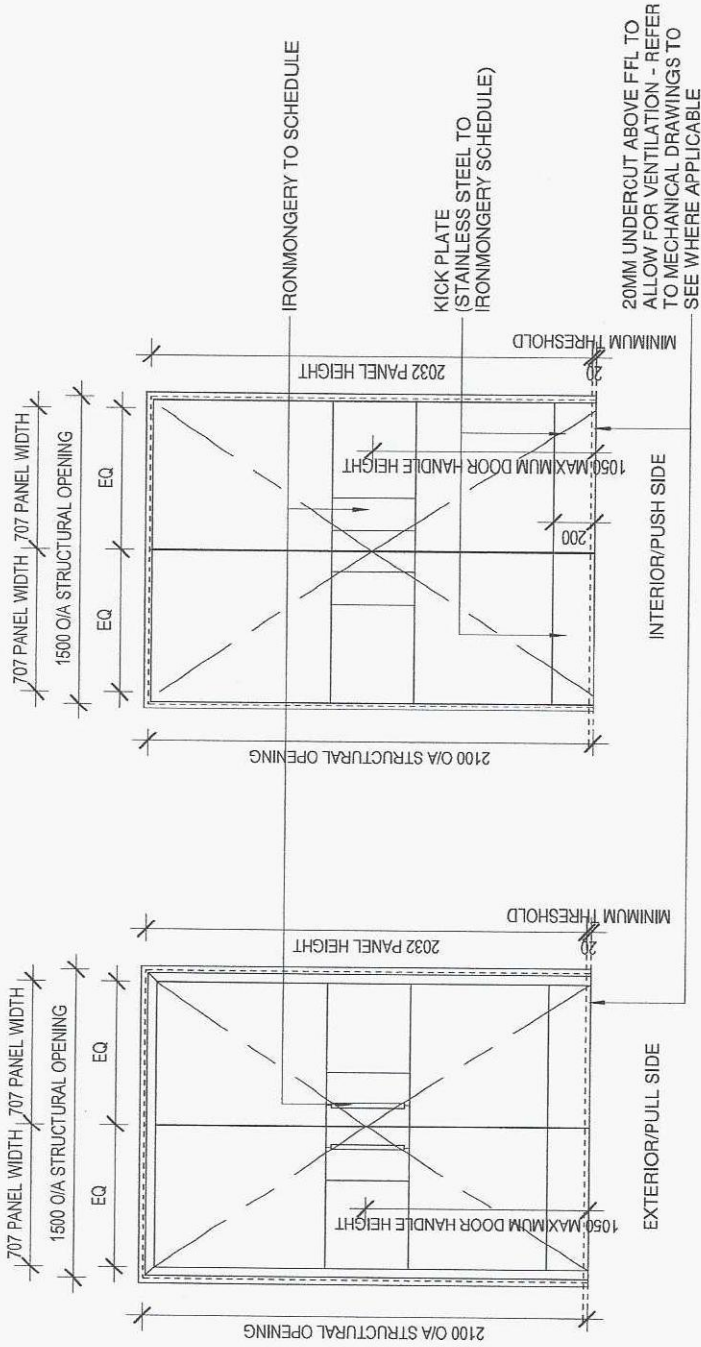
ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS, 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS 10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE GLAZED WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO BE PREPPED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL.
ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.



DOOR INFO - TYPE DD-F2

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
DD-F2	IFUBA (OR SIMILARLY APPROVED) CLASS 'B' DOUBLE PANEL 2 HOUR FIRE RATED DOOR HIGH FINISHED ON BOTH SIDES WITH 32MM HARDBOARD SUITABLE FOR PAINTING WITH FRAME SUITABLE FOR ONE BRICK WALL AND PREPARING FRAME FOR DOOR CLOSER AND LOCK. TO BE SABS 1253/1944 FI	SOLID PANEL DOORS WITH 32MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1X TIMBER PRIMER, 1X UNIVERSAL UNDERCOAT & 2X PLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL D-XX-5200 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	2 HOUR	AS PER ATTACHED IRONMONGERY SCHEDULE	2

NOTES:
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4. ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
5. THE DRAWING MAY NOT BE SCALED.
6. ALL DOOR STILES (TOP, MIDDLE AND BOTTOM) WALLS, AND DOOR THRESHOLDS, TO BE CONSTRUCTED TO COMPLY WITH SANS 10400-N.
7. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS DRAWINGS SPECIFY OTHERWISE).
8. ARCHITECT'S SIGNATURE

REV.	No.	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	DS-XX-5220	24/7/2025	12:19:34 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	EN	CT

PROJECT: General Justice Gzenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed 'Eh' 'X' (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152
CLIENT: KZN DoPW

Charles Taylor
Architect cc
7A TOWNSEND ROAD,
BALITO 4420
TEL: 032 946 3853
FAX: 032 946 3854
EMAIL: charles@cab.co.za
VAT REG NO.: 481048918

Door Schedule Type DD-F2

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS. 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO BE PREPPED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL.
ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.

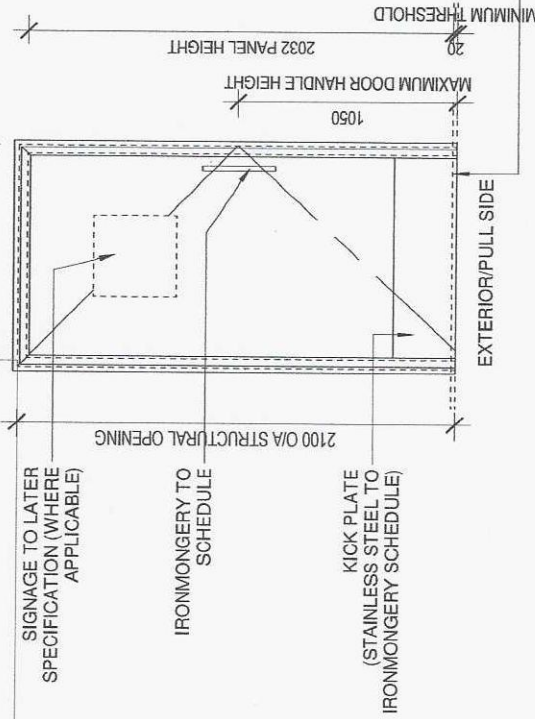
SIGNAGE TO LATER SPECIFICATION (WHERE APPLICABLE)

IRONMONGERY TO SCHEDULE

KICK PLATE (STAINLESS STEEL TO IRONMONGERY SCHEDULE)

1000 PANEL WIDTH
1087 O/A STRUCTURAL OPENING

1000 PANEL WIDTH
1087 O/A STRUCTURAL OPENING



20MM UNDERCUT ABOVE FFL TO ALLOW FOR VENTILATION - REFER TO MECHANICAL DRAWINGS TO SEE WHERE APPLICABLE

DOOR INFO - TYPE GB-S

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
GB-S	SINGLE TDM SOLID FLUSH DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	SOLID PANEL DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	4

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	DS-XX-5222	24/2025	12/19/43 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23	EN	CT

PROJECT	CLIENT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf 'X' (to be designated on Registration), corner of King Shaka and Patterson street, Sanger WIMS No : 048152	KZN DOPW

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Architect cc
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EMAIL: charles@ctab.co.za
VAT REG NO.: 481014818

CHARLES BRAINERD TAYLOR
JPE - SACAP No. 4840
ARCHITECT'S SIGNATURE

Door Schedule Type GB-S

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS. 1 OR 2 HOURS FIRE RATED TO MATCH THE DOOR FIRING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS 10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

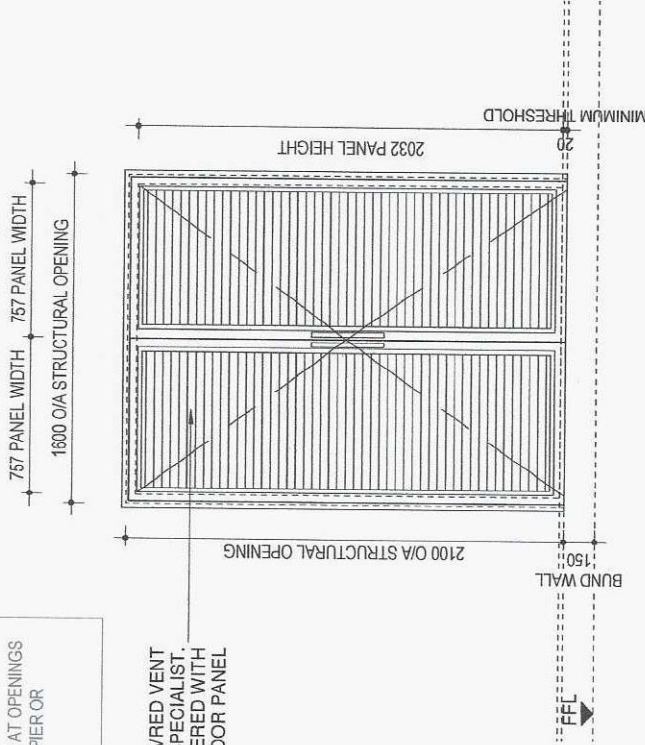
ALL THE DOORS TO PREPPED PRIOR TO INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL.
ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS (DOOR AND WINDOWS) AS BRICK PIER OR CONCRETE MIX BY SPECIALIST.

TIMBER LOUVRED VENT
PANEL BY DOOR SPECIALIST.
VENT TO BE CENTERED WITH
DOOR PANEL



DOOR INFO - TYPE EB-S

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
EB-S	DOUBLE TDM TIMBER LOUVRED DOORS WITH 3.2MM STANDARD HARDBOARD COVERING (WHERE APPLICABLE) ON BOTH SIDES WITH THREE DOUBLE ACTION HINGES PER LEAF.	TIMBER LOUVRE DOORS WITH 3.2MM STANDARD HARDBOARD COVERING ON BOTH SIDES (WHERE APPLICABLE) WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1xTIMBER PRIMER, 1xUNIVERSAL UNDERCOAT & 2xPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	4

NOTES:
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* ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
* THE DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN
* ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS DRAWINGS STATE OTHERWISE.
* ALL DIMENSIONS EXCEEDING 3000mm IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S
DESIGN.

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Architect cc
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BALUTHE
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FAX: 032 946 3854
EMAIL: charles@ctab.co.za
VAT REG NO.: 4810158918
UPP - SACAP NO: 4940
ARCHITECT'S SIGNATURE

REV.	No	DATE	DESCRIPTION	NAME
A	1	23.11.15	ISSUED FOR INFORMATION PURPOSE ONLY	EN

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	DS-XX-5223	A	24/2025 12:19:30 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - As Indicated	DWG DATE	ARCHITECT
		11/03/23	EN
			CT

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded
Male and Female Inpatient and Outpatient Mental Health Unit on
Proposed Er'x' (to be designated on Registration), corner of King
Siaka and Patterson street, Slinger | VIMS No : 048152
CLIENT

KZN DoPW

Door Schedule Type EB-S

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS, 1 OR 2 HOURS FIRERATED TO MATCH THE DOOR FIRATING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL
CORROSION-RESISTANT HEAVY-DUTY HINGE
SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED WITH S/S SHEETING AND CHANNEL

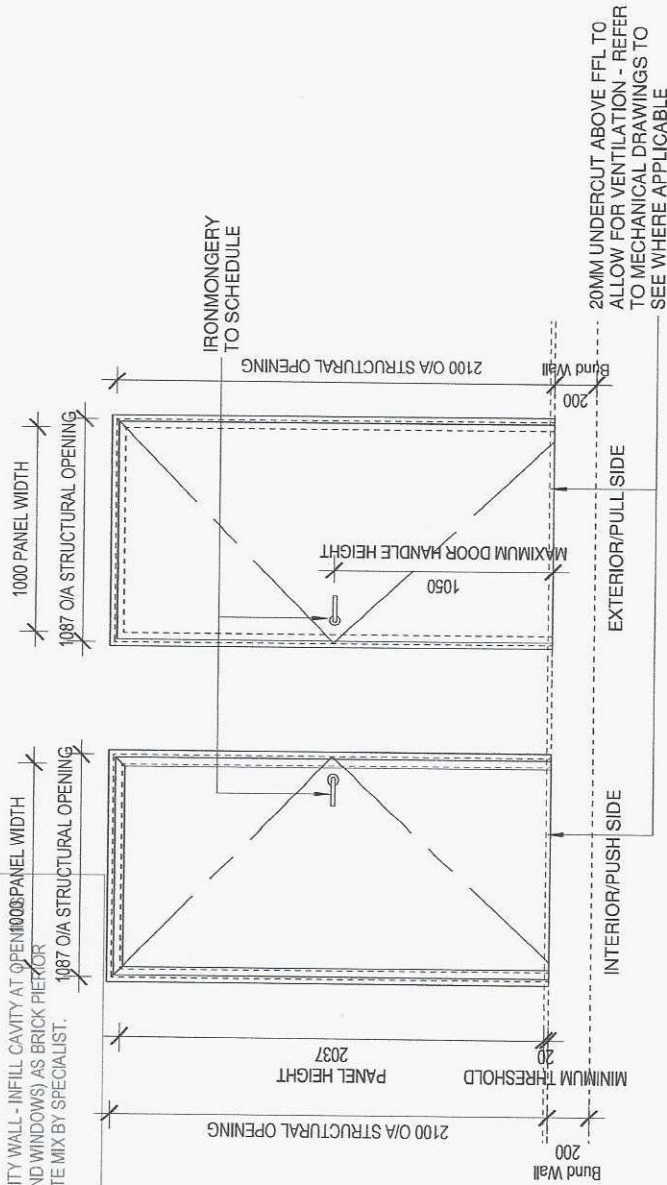
ALL THE DOORS TO PREPPED PRIOR TO
INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF
CLOSING DEVICE, DOOR FRAME TO BE FITTED
LUMINESCENT STRIP SMOKE-SEAL,
ALL TO ENGINEER'S SPECIFICATIONS AND IN
ACCORDANCE WITH SANS 10400 PART 1.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF

FOR CAVITY WALL - INFILL CAVITY AT OPENING PANEL WIDTH
(DOOR AND WINDOWS) AS BRICK PIERS
CONCRETE MIX BY SPECIALIST 1087 OIA STRICTLY RAJ CH



DOOR INFO - TYPE EN						
TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
EN	SINGLE TDM SOLID FLUSH DOORS WITH 32MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF	SOLID PANEL DOORS WITH 32MM STANDARD HARDBOARD COVERING ON BOTH SIDES WITH THREE HINGES PER LEAF. DOORS TO BE TREATED WITH 1XTIMBER PRIMER, 1XUNIVERSAL UNDERCOAT & 2XPLASCON VELVAGLO PAINT FINISH OR SIMILAR APPROVED. COLOUR TO CLIENT SPECIFICATION	STAINLESS STEEL FRAME AS PER DETAIL WD-XX-5200.1 WITH 3 NO. 100MM STAINLESS STEEL HINGES AND SCREWS. DOOR FRAMES MUST BE THOROUGHLY DEGREASED WITH PLASCON AQUASOLV/DEGREASER (GR 1) FOLLOWED BY CLEAN WATER RINSES. REPEAT THIS CLEANING PROCEDURE IF NECESSARY, UNTIL A WATER BREAK-FREE SURFACE HAS BEEN ACHIEVED. THEN ABRASE THE SURFACE LIGHTLY TO PROVIDE A KEY IF APPLICABLE.	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	7

[illegible][illegible]

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLLOT DATE
18.12	DS-XX-5224		2/4/2025 12:19:53 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE		☒	ARCHITECT
A3 - As indicated		DWG DATE	EN
		11/03/23	CT

PRO.EDT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded
Male and Female Inpatient and Outpatient Mental Health Unit on
Proposed E1 "X" (to be designated on Registration), corner of King
Siaka and Patterson street, Sianger | WIMS No : 048152

Charles Taylor
Architect cc
PRACTICE NO.: CK 199401754523
REG NO.: 4810-1489-18
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FAX: 032 946 3854
EMAIL: charles@ccba.co.za
ARCHITECT'S SIGNATURE

Door Schedule Type EN



**KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA**



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS
(DOOR AND WINDOWS) AS BRICK PIER OR
CONCRETE MIX BY SPECIALIST.

GENERAL DOORS NOTES:

DOOR MANUFACTURER TO ENSURE THAT PANEL
SIZES ARE CHECKED WITH STRUCTURAL
OPENINGS ON SITE AND CROSS REFERENCED
WITH LATEST FRAME DETAILS WD-XX-5200.1 &
WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.
THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW
FOR FLOOR FINISHES AND SCREED. PANELS TO
BE UNDERCUT WHERE NECESSARY. THRESHOLD
TO BE ABOVE SFL AND BENEATH DOOR PANEL
BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED
SAFETY GLASS 1 OR 2 HOURS FIRE RATED TO
MATCH THE DOOR FIRING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND
TO COMPLY WITH SANS 10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL
CORROSION-RESISTANT HEAVY-DUTY HINGE
SOLUTION

* SECLUSION ROOM DOORS TO BE CLADDED
WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO BE PREPPED PRIOR TO
INSTALLATION ON SITE.

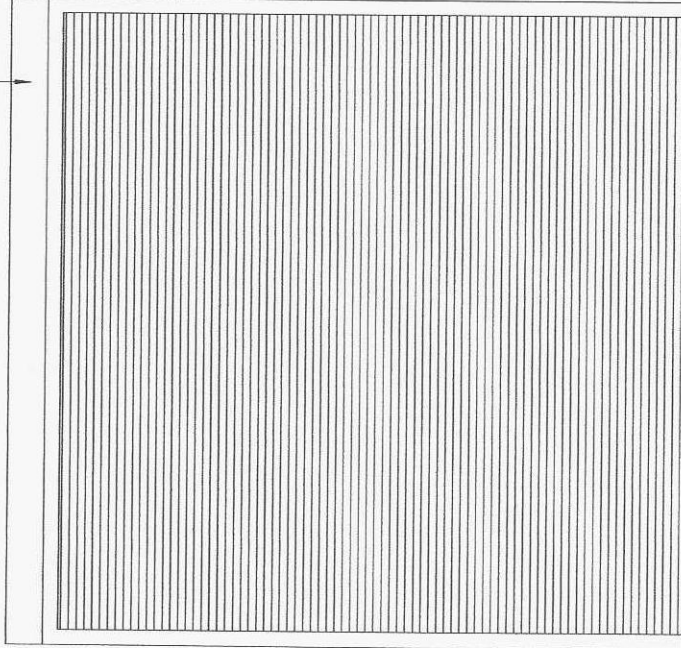
ALL FIRE DOORS TO BE FITTED WITH SELF
CLOSING DEVICE. DOOR FRAME TO BE FITTED
INTUMESCENT STRIP SMOKE-SEAL.
ALL TO ENGINEER'S SPECIFICATIONS AND IN
ACCORDANCE WITH SANS 10400 PART 1.

O/A STRUCTURAL OPENING
3000

75

WALL MOUNTED
ROLLER SHUTTER MECHANISM
BY MANUFACTURER

250



O/A STRUCTURAL OPENING
3000

F.F.L.

DOOR INFO - TYPE RSD

TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	FIRE RATING	IRONMONGERY	QTY
RSD	STEEL ROLLER SHUTTER DOOR	77MM SINGLE ROLL UP SERRANDA 'FENESTRE' TYPE ROLLER SHUTTER DOOR OR SIMILAR APPROVED. OPERATION: VIA A SINGLE PHASE 220V INTERNAL TUBULAR MOTOR AND SEVERAL SWITCHING OPTIONS ARE AVAILABLE	POWDER COATED ALUMINIUM FRAME TO MANUFACTURER'S DETAIL. COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	N/A	AS PER ATTACHED IRONMONGERY SCHEDULE	1

- NOTES
- THE DESIGNER'S DRAWINGS COPYRIGHT AND REMAINS THE PROPERTY OF THE ARCHITECT. COPYRIGHT MAY BE CHANGED. AMENDMENT OF COMPANY REGISTRATION NO. 12-11-14.
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 - ANY DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
 - ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
 - THE DRAWING MAY NOT BE SCALED.
 - THESE DRAWINGS ARE TO BE USED IN CONJUNCTION TO CONSULTANT DRAWINGS.
 - ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS DRAWINGS SPECIFY OTHERWISE.
 - ALL DOOR PROFILES EXCEEDING 50mm IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	18.12	DRAWING NUMBER	DS-XX-5225	REVISION	24/2025 12/20/01 PM	PROJECT	General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger WIMS No : 048152
SKETCH		COUNCIL		INFORMATION ONLY		CLIENT	
SCALE	A3 - As indicated	DWG DATE	11/03/23	DRAWN		ARCHITECT	

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UPE - SACAP NO: 4840
ARCHITECT'S SIGNATURE

Door Schedule Type RSD

DOOR MANUFACTURER TO ENSURE THAT PANEL SIZES ARE CHECKED WITH STRUCTURAL OPENINGS ON SITE AND CROSS REFERENCED WITH LATEST FRAME DETAILS WD-XX-5200.1 & WD-XX-5200.2 TO ENSURE PANEL WILL SUIT.

THRESHOLD HEIGHTS ARE SPECIFIED TO ALLOW FOR FLOOR FINISHES AND SCREED. PANELS TO BE UNDERCUT WHERE NECESSARY. THRESHOLD TO BE ABOVE SFL AND BENEATH DOOR PANEL BASE.

ALL VIEWING PANELS TO BE 9mm TOUGHENED SAFETY GLASS, 1 OR 2 HOURS FIRERATED TO MATCH THE DOOR FIRATING.
ALL TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH SANS 10400-N

ALL DOORS TO HAVE A CONTINUOUS VERTICAL CORROSION-RESISTANT HEAVY-DUTY HINGE SOLUTION

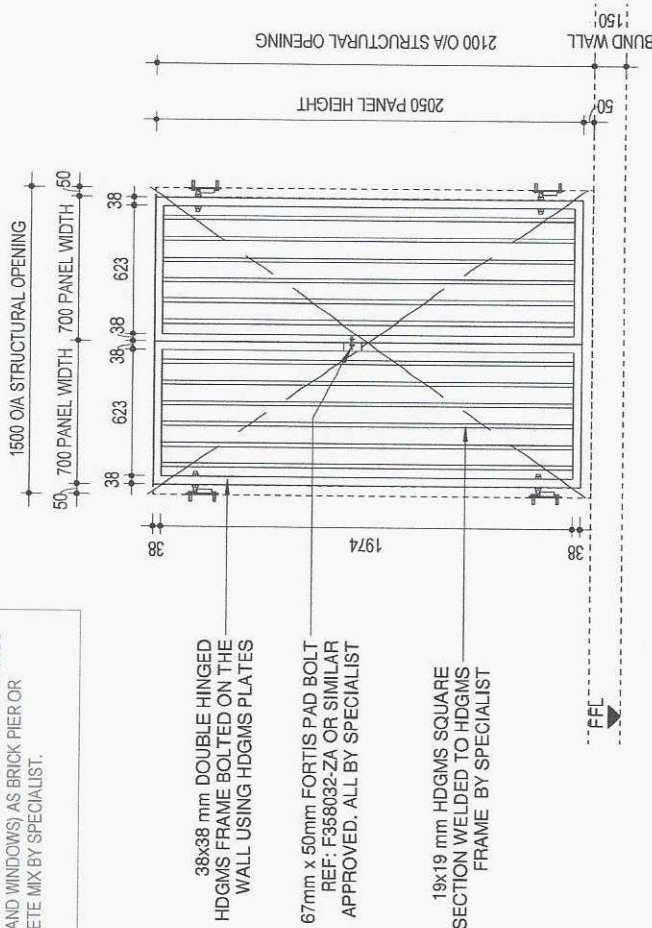
SECLUSION ROOM DOORS TO BE CLADDED
WITH S/S SHEETING AND CHANNEL

ALL THE DOORS TO PREPPED PRIOR TO
INSTALLATION ON SITE.

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING DEVICE. DOOR FRAME TO BE FITTED INTUMESCENT STRIP SMOKE-SEAL. ALL TO ENGINEER'S SPECIFICATIONS AND IN ACCORDANCE WITH SANS 10400 PART 7.

GENERAL DOOR NOTES

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
FOR CAVITY WALL - INFILL CAVITY AT OPENINGS
(DOOR AND WINDOWS) AS BRICK PIER OR
CONCRETE MIX BY SPECIALIST.



NAME	First Last (last)
SKU	P30352ZA
BRAND	Falls
WEIGHT (kg)	9.200
DOGS BOLT TYPE	Patrol
FINISH	Zinc Plated
NUMBER OF EYES	0
MATERIAL	Steel

IRONMONGERY

DOOR INFO - TYPE DG				
TYPE	DESCRIPTION	PANEL/GLAZING	FRAME SPEC.	QTY
DG	GALVANIZED STEEL EXTERNAL DOUBLE GATE	19x19 mm HDGMS SQUARE SECTION @ MIN. 100mm CENTRE TO CENTRE WELDED TO HDGMS FRAME. ALL BY SPECIALIST	38x38 mm DOUBLE HINGED HDGMS FRAME. BOLTED ONTO THE WALL USING HDGMS PLATES. CODE: D2525 QUALITY	2

NOTES

- [illegible]

REV. No.	DATE	DESCRIPTION	NAME
A	23.11.15	ISSUED FOR INFORMATION PURPOSE ONLY	EN
B	24.04.18	UNDERGROUND TUNNELLING PROGRAMMED AND QUANTITY UPDATED	EN

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	DS-XX-5226	B	24/02/05 12:00:17 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE		☒	
	DWG DATE	DRAWN	ARCHITECT
A3 - As indicated	11/03/23		EN CT

General Justice Gizegna Mpanza Regional Hospital - New 28 bedded
Male and Female Inpatient and Outpatient Mental Health Unit on
Proposed Erf "X" (to be designated on Registration), corner of King
Saka and Patterson street, Slanger WIMS No : 048152

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TEL: 032 946 3853
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EMAIL: charles@ccab.co.za

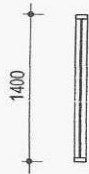
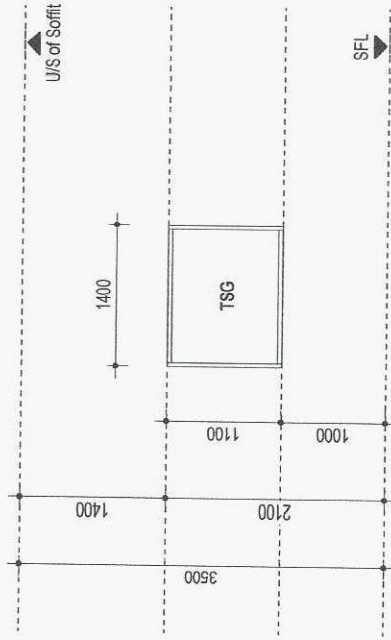
CHARLES BRAINERD TAYLOR
UPE - SACAP NO: 4940
ARCHITECT'S SIGNATURE

Door Schedule Type DG



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

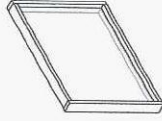
KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



Plan Detail
Scale 1 : 50

Front Elevation
Scale 1 : 50

3D Ortho
Scale



SHOPFRONTS AND GLAZINGS SCHEDULE			
Glazing Type		Frame Type	Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL-50MM LAMDBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	
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NOTES

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2. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE SANS 1000 AND LOCAL STANDARDS.
3. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORKING BEGINS.
4. ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
5. THE DRAWING MAY NOT BE COPIED OR REPRODUCED WITHOUT THE ARCHITECT'S PERMISSION.
6. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE SPECIFIED.
7. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE SPECIFIED.
8. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE SPECIFIED.
9. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE SPECIFIED.
10. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE SPECIFIED.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	S-SR06		3/25/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - 1 : 50	03/25/25	EN	CT

PROJECT
General Justice Gzanga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "x" (to be designated on Registration), corner of King Shaka and Patterson street, Slangier | WIMS No : 048162

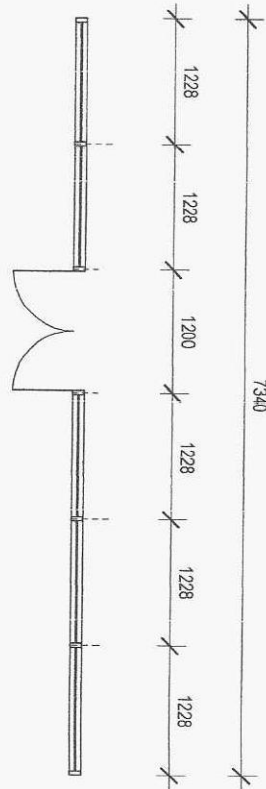
CLIENT
KZN DoPW

Charles Taylor
Architect cc
7A TOWNSEND ROAD,
BELLVILLE, 7530
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FAX: 022 946 3854
EMAIL: charles@ctab.co.za
VAT REG NO.: 4810148918

SHOPFRONTS AND GLAZINGS SCHEDULE



Front Elevation
Scale 1 : 50



Plan Detail
Scale 1 : 50

3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE									
Glazing Type				Frame Type			Frame Finish		
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED. "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SARS 10400 PART N.				CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS			COLOUR CODE: ANP 3055 MATT CHARCOAL CONWAYS CODE: PIS 71149 MATT CHARCOAL		
DRAWING IS COPYRIGHT AND REMAINS THE PROPERTY OF THE ARCHITECT. COPYRIGHT NOT REGISTERED AS MORE ARCH PREVIOUSLY KNOWN IN SOUTH AFRICA. LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND. NOTES: DRAWING MUST BE USED FOR CONSTRUCTION PURPOSES ONLY. TO BE READ BY CONSULTANT'S DRAWINGS. OPENING DIMENSIONS INCLUDE FRAME UNLESS SPECIFIED OTHERWISE. FLOOR FINISH TO BE INDICATED BY STRUCTURAL STEEL TO ENGINEERS.									
REV. No		DATE		DESCRIPTION		NAME		PROJECT	
								General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger WIMS No : 048152	
18.12		S-CT01		DRAWING NUMBER		REVISION		PLOT DATE	
3/25/2025 6:34:34 PM									
SKETCH		COUNCIL		INFORMATION ONLY		CONSTRUCTION		☒	
SCALE		A3 - 1 : 50		DWS DATE		DRAWN		ARCHITECT	
11/28/23		EN		CT					

Glazing Schedule

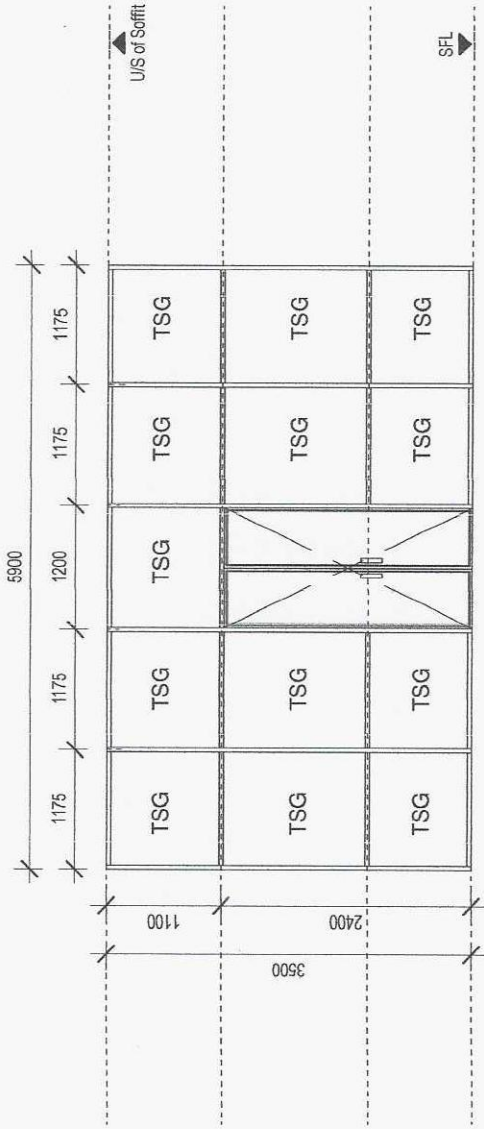
UPE - SACAP NO. 4840

BAUUTO 4/20
 TEL: 032 966 3853
 FAX: 032 966 3854
 EMAIL: charles@cab.co.za

ARCHITECT'S SIGNATURE

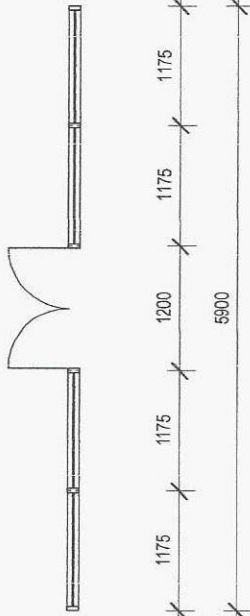
CTA PRACTICE NO.: CK 199401754623
 VAT RES NO.: 481048918

Architect cc



Front Elevation

Scale 1 : 50



Plan Detail

Scale 1 : 50

3D View
Scale



SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish
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ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL, 50MM LAMDBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL
--	--	--

NOTES

- THE DESIGN OF THIS DRAWING IS COPYRIGHT AND REMAINS THE PROPERTY OF THE ARCHITECT. COPYRIGHT IS NOT TRANSFERRED TO THE CLIENT. ANY REUSE OR REPRODUCTION OF THIS DRAWING WITHOUT THE ARCHITECT'S WRITTEN PERMISSION IS STRICTLY PROHIBITED.
- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE N.E.K. SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
- THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY.
- ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
- THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH CONSULTANT'S DRAWINGS.
- ALL DOOR STRUCTURAL OPENINGS MUST BE SUPPORTED BY STRUCTURAL STEEL TO ENHANCE STABILITY.
- ALL SHOPFRONTS EXCEEDING 6000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENHANCE STABILITY.

REV.	No.	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	S-CT02	3/25/2025	6:34:34 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DATE	DRAWN	ARCHITECT
A3 - 1 : 50	11/28/23	EN	CT

PROJECT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WINS No : 048152

CLIENT
KZN DoPW

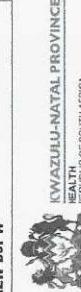
Charles Taylor
Architect cc
CTA PRACTICE NO. : CK 198401754523
VAT REG NO. : 48101459 9

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EMAIL : charles@ctab.co.za

Glazing Schedule



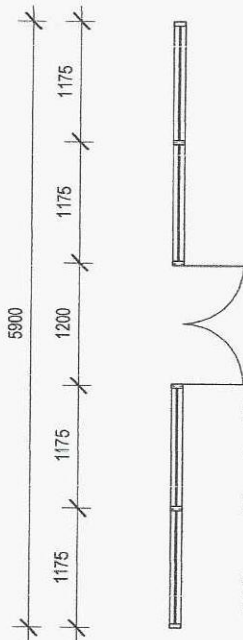
KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



Front Elevation
Scale 1 : 50



Plan Detail
Scale 1 : 50

3D View

Scale

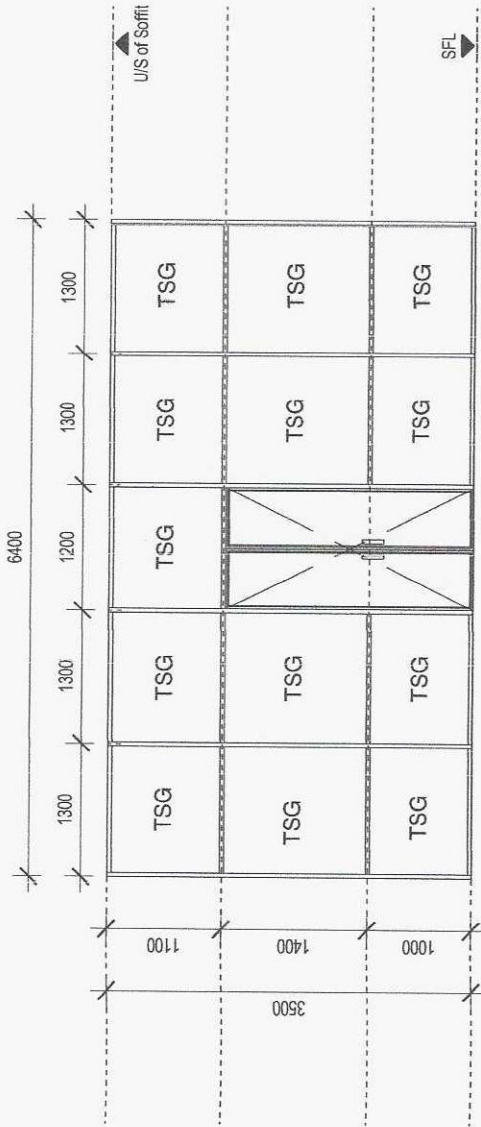
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Charles Layton Architect CC
CTA
 CTA PRACTICE NO.: CK-1994017545/23
 VAT REG NO.: 4810148918
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 EMAIL: charles@ctab.co.za
 ARCHITECT'S SIGNATURE
 UFE - SACAP NO: 4940
 CHARLES BROOKER PRACTICE

Glazing Schedule

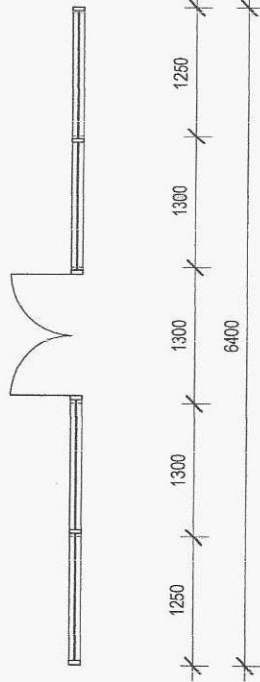

KWAZULU-NATAL PROVINCE
 PUBLIC WORKS & INFRASTRUCTURE
 REPUBLIC OF SOUTH AFRICA


KWAZULU-NATAL PROVINCE
 HEALTH
 REPUBLIC OF SOUTH AFRICA



Front Elevation

Scale 1 : 50



Plan Detail

Scale 1 : 50

3D View

Scale



SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type		Frame Type		Frame Finish	
CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	
COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	

NOTES

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- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS AND LOCAL AUTHORITY REGULATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
- THE DRAWING IS TO BE USED IMMEDIATELY REPORTED TO THE ARCHITECT.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STILES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 60mm THICK.
- ALL SHOPFRONTS EXCEEDING 4000mm IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DETAILS.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	S-CT04		3/25/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	EN
			CT

PROJECT
General Justice Gzenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "x" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

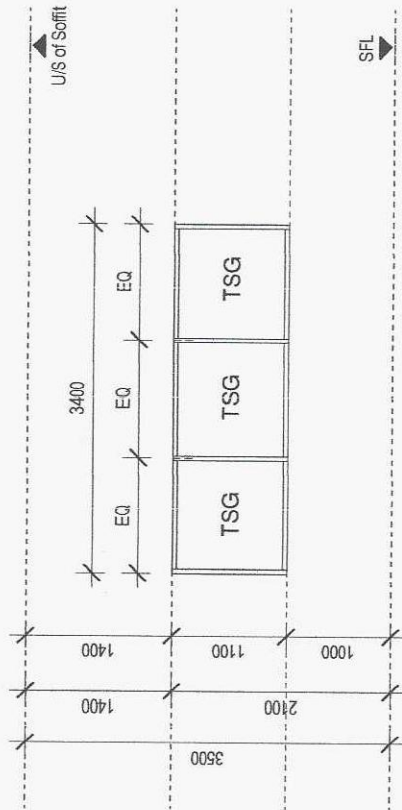
CLIENT
KZN DoPW

CJA Charles Taylor
Architect cc
7A TOWNSEND ROAD,
BALLITO, 4420
TEL : 032 946 3853
FAX : 032 946 3854
EMAIL : charles@ctab.co.za
VAT REG NO : 461046816

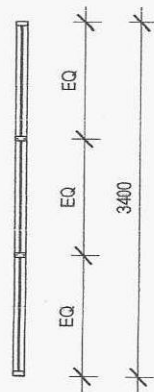
Glazing Schedule

KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

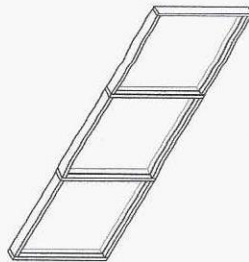
KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



Front Elevation
Scale 1 : 50



Plan Detail
Scale 1 : 50



3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish
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ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED. "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL-50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

NOTES:
* THE DESIGN ON THIS DRAWING IS COPYRIGHT AND REMAINS THE PROPERTY OF THE ARCHITECT. COPYRIGHT IS RESERVED. MORE ARCHITECTS REGISTRATION AS MORE ARCHITECTS KNOWN AS VAP ARCHITECTS
* ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
* ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
* ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
* THE DRAWING MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM THE ARCHITECT.
* THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANT'S DRAWINGS.
* ALL DOOR STILES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 25mm THICK.
* ALL SHOPFRONTS EXCEEDING 4MM HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO BE DETERMINED BY ENGINEER.
* DETAILS

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	S-CT05		24/02/25 12:23:35 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE			
A3- 1: 50	DWG DATE	DRAWN	ARCHITECT
	11/28/23	EN	CT

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "x" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT

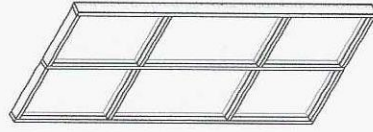
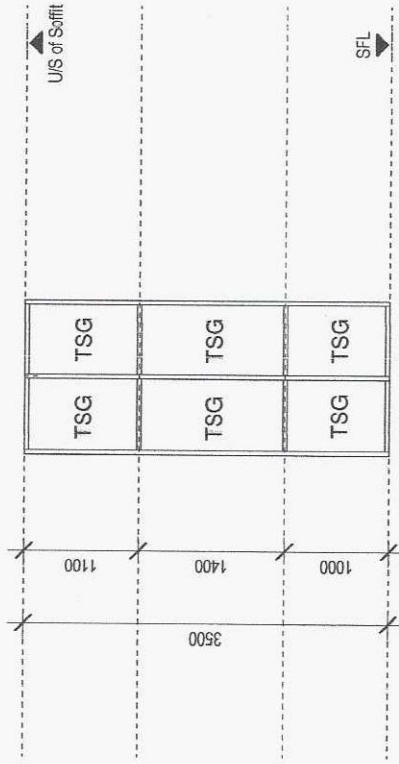
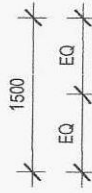
KZN DoPW

Charles Taylor
CTA Architect cc
7A TOWNSEND ROAD,
BALLITO, 4420
TEL : 032 946 3853
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EMAIL : charles@cta.co.za
VAT REG NO.: 451048818

CHARLES BRANERD TAYLOR
UPE - SACAP NO: 4940

ARCHITECT'S SIGNATURE

Glazing Schedule



Plan Detail

Scale 1 : 50

Front Elevation

Scale 1 : 50

3D View

Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type

Frame Type

Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL, 50MM LAMBDA BOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

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 - ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE NKS, SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
 - ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
 - ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
 - THESE DRAWINGS ARE TO BE USED IN CONJUNCTION TO CONSULTANTS DRAWINGS.
 - ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 6mm THICK.
 - ALL SHOPFRONT GLAZING TO BE SUPPLIED BY THE ARCHITECT TO THE ARCHITECT'S SPECIFICATION.
 - ALL SHOPFRONT GLAZING TO BE SUPPLIED BY THE ARCHITECT TO THE ARCHITECT'S SPECIFICATION.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	S-CT06		24/02/25
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	EN
			CT

PROJECT: General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "y" (to be designated on Registration), corner of King Shaka and Patterson street, Slanger | WINS No : 048162

CLIENT

KZN DoPW

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UPE - SACAP NO: 4940

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EMAIL: charles@ctab.co.za

CTA Practice No.: 04 1954/0154/023
VAT REG NO.: 4510145918

Charles Taylor
Architect cc

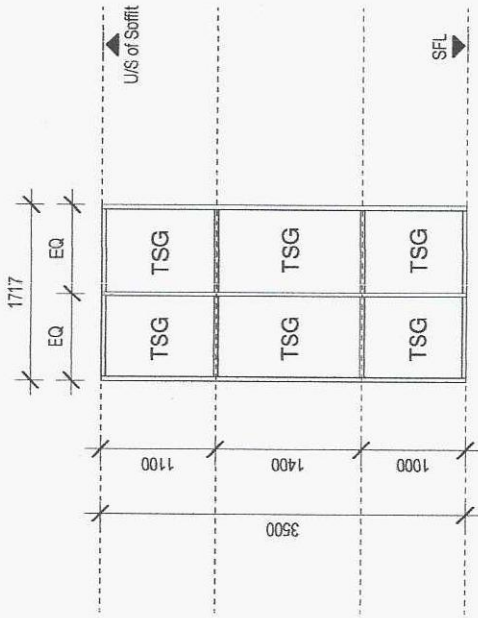
Glazing Schedule

KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA



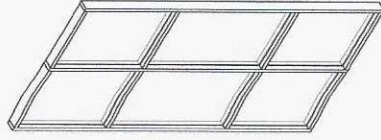
KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA





Plan Detail
Scale 1 : 50

Front Elevation
Scale 1 : 50



3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE			
Glazing Type		Frame Type	
Frame Finish		Frame Type	
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED. "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	
COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL		COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	

- NOTES
- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE SANS 10400 PART N.
 - 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE SANS 10400 PART N.
 - 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE SANS 10400 PART N.
 - 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE SANS 10400 PART N.
 - 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE SANS 10400 PART N.
 - 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE SANS 10400 PART N.
 - 7. ALL WORK SHALL BE IN ACCORDANCE WITH THE SANS 10400 PART N.
 - 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE SANS 10400 PART N.
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REV. No	DATE	DESCRIPTION	NAME

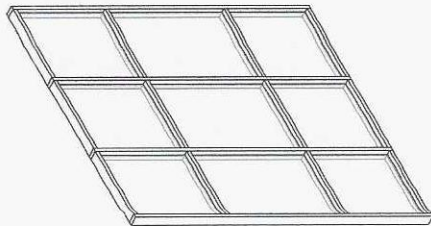
PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	S-EF01	24/02/25	1223:42 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1:50	DWG DATE	EN
		11/28/23	CT

PROJECT: General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Slanger | WIMS No : 048152

CLIENT: KZN DoPW

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Architect cc
7A TOWNSEND ROAD,
BALITO 4420
TEL: 032 946 3853
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VAT REG NO.: 481048918

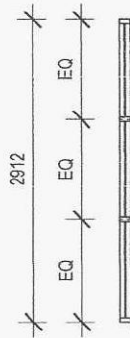
Glazing Schedule



Front Elevation
Scale 1 : 50

3D View

Scale



SHOPFRONTS AND GLAZINGS SCHEDULE		
Glazing Type	Frame Type	Frame Finish
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED. "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL-50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

[illegible]

PROJECT NUMBER	DRAWING NUMBER	S-EF02		REVISION	PLLOT DATE
18.12					2/4/2025 12:23:51 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION	☒	
SCALE			DRAWN	ARCHITECT	
			11/28/23	EN	CT

PROJECT
General Justice Gizenza Mpanza Regional Hospital - New 28 bedded
Male and Female Inpatient and Outpatient Mental Health Unit on
Proposed Erf 150 (to be designated on Registration), corner of King
Shaka and Patterson street, Sanger | WIMS No : 048152
CLIENT
KZN DoPW

[illegible]

DETAILS

c/a Charles Taylor
Architect CC

C/A PRACTICE NO.: CK-1994/017545/23
C/A REG NO.: 4810748918

7A TOWINSEND ROAD,
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TEL: 032 946 3853
FAX: 032 946 3854
EMAIL: Charles@cctab.co.za

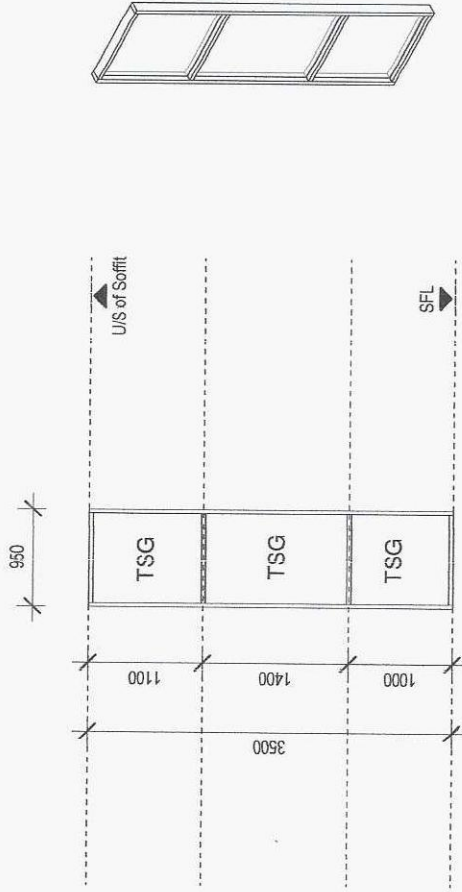
CHARLES BRAINERD TAYLOR
UPE - SACAP NO: 4940

ARCHITECT'S SIGNATURE

Glazing Schedule

KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE

KWAZULU-NATAL PROVINCE
HEALTH
 REPUBLIC OF SOUTH AFRICA



Plan Detail
Scale 1 : 50

Front Elevation
Scale 1 : 50

3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE	
Glazing Type	Frame Type
	Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL
---	--	---

- NOTES
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 - ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE NBS, SANS 10400 AND LOCAL AUTHORITY REGULATIONS.
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 - THE DRAWING MAY NOT BE SCALE IN ALL AREAS. DIMENSIONS SHALL BE AS SHOWN ON THE DRAWING.
 - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
 - ALL DOOR STYLES TOP, MIDDLE AND BOTTOM RAILS TO BE 80mm THICK.
 - ALL SHOPFRONTS EXCEEDING 1000mm IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO BE SUBMITTED FOR APPROVAL BY THE LOCAL AUTHORITY.

REV / No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	S-EF03		2/4/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE			12/24/01 PM
A3 - 1 : 50	DWG DATE	DRAWN	ARCHITECT
	11/28/23	EN	CT

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Eri "X" (to be designated on Registration), corner of King Shaka and Patterson street, Slanger | WIMS No : 048162

CLIENT

KZN DoPW

Charles Taylor
Architect cc
CTA PRACTICE NO. : 18946/7595/23
VAT REG NO. : 481148616
7A TOWNSEND ROAD,
BALLITO, 4420
TEL : 032 946 3553
FAX : 032 946 3564
EMAIL : charles@ctab.co.za

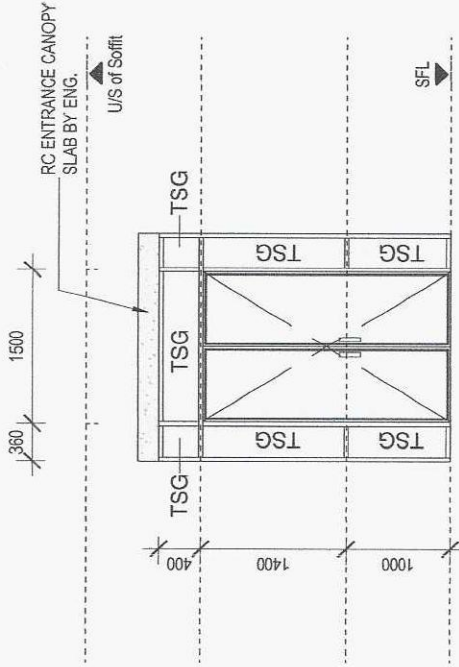
CHARLES BRAINERD TAYLOR
UPE - SACAP NO: 4840

ARCHITECT'S SIGNATURE

Glazing Schedule

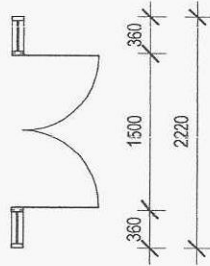
KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



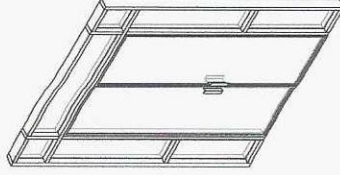
Front Elevation

Scale 1 : 50



Plan Detail

Scale 1 : 50



3D View

Scale

SHOPFRONTS AND GLAZINGS SCHEDULE	
Glazing Type	Frame Type
	Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL, 50MM LAMBDA BOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL
---	--	---

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4. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
5. ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 70mm THICK.
6. ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM RAILS) TO BE 70mm THICK.
7. ALL SHOPFRONT DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	S-ME01		24/2/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DWG DATE	11/28/23
		EN	CT

PROJECT: General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erh "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152
CLIENT: KZN DoPW

CIA Charles Taylor Architect cc
7A TOWNSEND ROAD, BALITTO 4420
TEL: 032 946 3853
FAX: 032 946 3854
EMAIL: charles@ciatab.co.za
VAT REG NO.: 4510148916

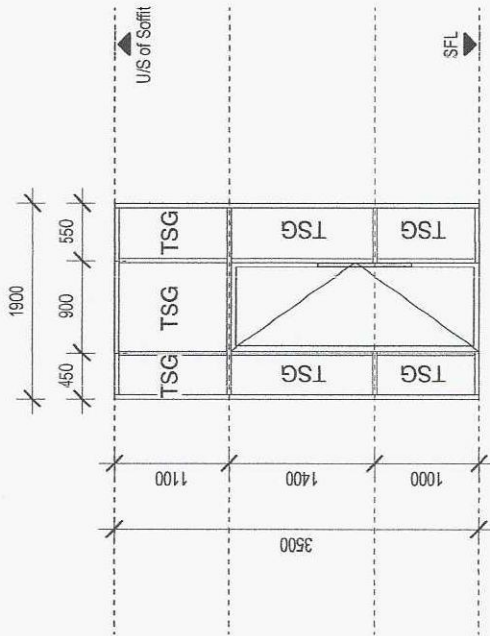
Glazing Schedule



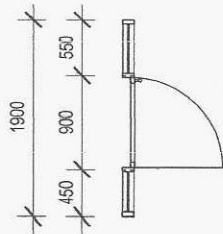
KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA



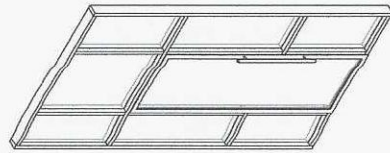
KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



Plan Detail
Scale 1 : 50



Front Elevation
Scale 1 : 50



3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE			
Glazing Type		Frame Type	
Frame Finish		Frame Type	

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMDA BOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL
--	--	---

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- THE DRAWING MAY NOT BE SCALED.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME AND GLASS DIMENSIONS, STIPULATE OTHERWISER.
- ALL SHOPFRONTS EXCEEDING 3MM HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

REV. No	DATE	DESCRIPTION	NAME

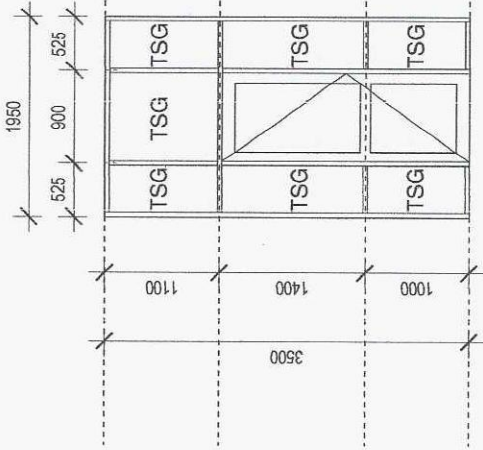
PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	S-ME02	24/02/25	12:24:21 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	EN

PROJECT: General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152

CLIENT: KZN DoPW

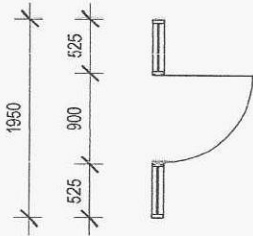
CIA Charles Taylor
Architect cc
71 TOWNSEND ROAD,
DURBAN 4001
TEL: 031 346 3853
FAX: 031 346 3854
EMAIL: charles@ciatab.co.za
VAT REG NO.: 481048918

Glazing Schedule



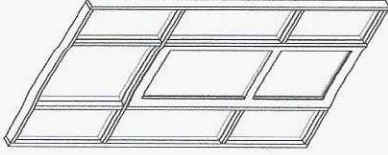
Front Elevation

Scale 1 : 50



Plan Detail

Scale 1 : 50



3D View

Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish
--------------	------------	--------------

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL 50MM LAMDBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71 149 MATT CHARCOAL
--	--	---

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- THE DRAWING MAY NOT BE SCALED.
- THESE DRAWINGS ARE TO BE USED IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS DRAWINGS & TITULATE OTHERWISE).
- ALL SHOPFRONTS EXCEEDING 5000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEERS.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	S-ME03	24/2025	12/24/28 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DWG DATE	EN
		11/28/23	CT

PROJECT
General Justice Gzengza Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Shaka and Patterson street, Slanger | WIMS No : 048152

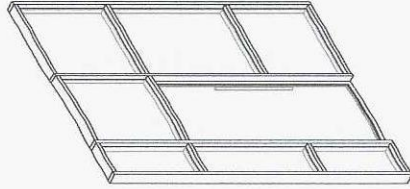
CLIENT
KZN DoPW

CIA Charles Taylor Architect cc
7A TOWNSEND ROAD, BALITO, 4420
TEL: 032 346 3853
FAX: 032 346 3854
EMAIL: charles@cia.co.za
VAT REG NO: 481048918

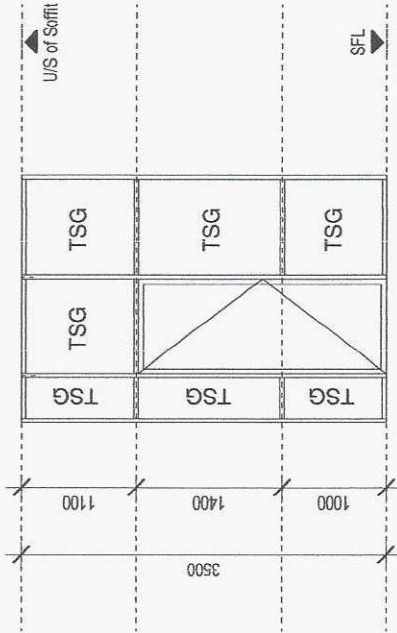
Glazing Schedule

KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

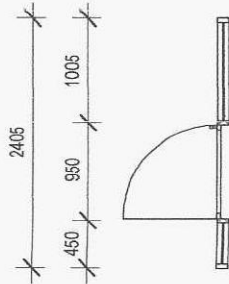
KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



3D View
Scale



Front Elevation
Scale 1 : 50



Plan Detail
Scale 1 : 50

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish
--------------	------------	--------------

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

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 - ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
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 - THESE DRAWINGS ARE TO BE USED IN CONJUNCTION TO CONSULTANTS DRAWINGS.
 - ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS DIMENSIONS SPECULATE OTHERWISE).
 - ALL SHOPFRONTS EXCEEDING 5000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO SIGNIERS.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	S-NS01	24/2025	12/24/33 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	ARCHITECT
		11/28/23	EN
			CT

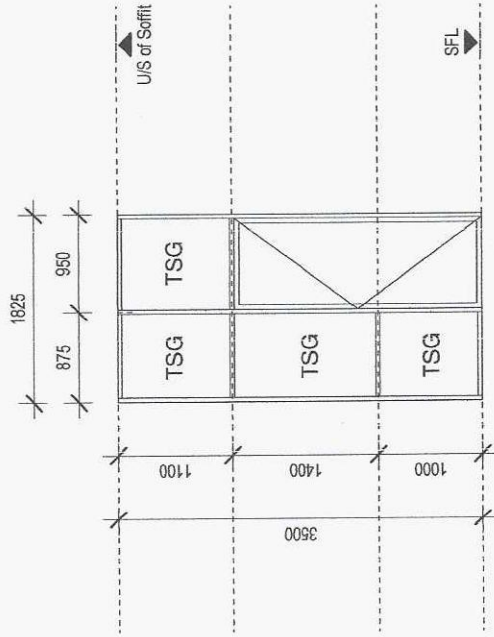
PROJECT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152

CLIENT
KZN DoPW

CIA Charles Taylor Architect cc
7A TOWNSEND ROAD, BALUTO, 4420
TEL : 032 946 3853
FAX : 032 946 3854
EMAIL : charles@ccta.co.za
VAT REG NO : 431048918

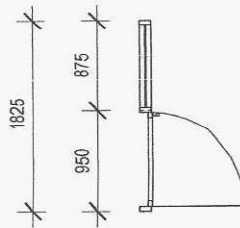
CHARLES BRAUER TAYLOR
UPE - SACAP NO. 4946
ARCHITECT'S SIGNATURE

Glazing Schedule



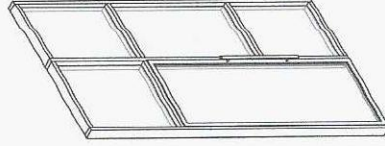
Elevation Left

Scale 1 : 50



Plan Detail

Scale 1 : 50



3D View

Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type		Frame Type		Frame Finish	
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED. "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS		COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	

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- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO SUPPLEMENTARY DRAWINGS.
- ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE SPECIFIED.
- ALL SHOPFRONTS EXCEEDING 3000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

REV. NO.	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLANT DATE
18.12	S-NS02	24/02/25	12/24/35 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - 1 : 50	11/28/23	EN	CT

PROJECT: General Justice Gizezanga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Shaka and Patterson street, Slangers | WIMS No : 048152

CLIENT: KZN DoPW

Charles Taylor
Architect cc
CTA PRACTICE NO. : CK : 190401754523
VAT REG NO. : 4810148918

7A TOWNSEND ROAD,
BALLITO, 4400
TEL : 032 946 3653
FAX : 032 946 3654
EMAIL : charles@ctah.co.za

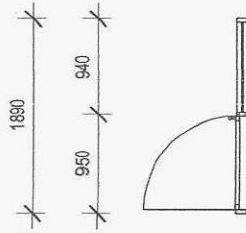
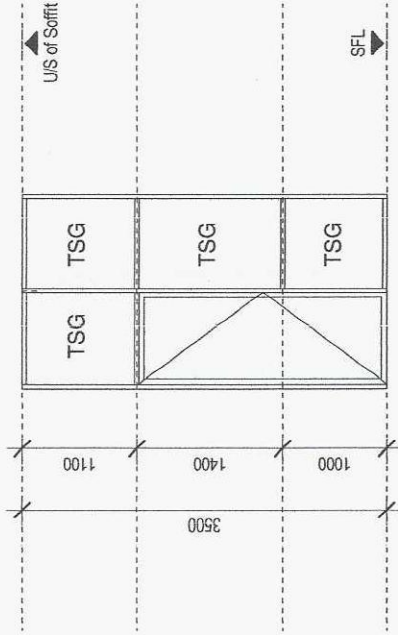
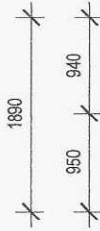
CHARLES BRAMMER TAYLOR
UPE - SACAP NO: 6849

ARCHITECT'S SIGNATURE

Glazing Schedule

KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

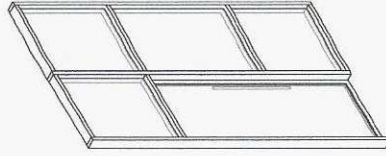


Plan Detail

Scale 1 : 50

Front Elevation

Scale 1 : 50



3D View

Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish
--------------	------------	--------------

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL 50MM LAMBDA BOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

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 - ALL SHOPFRONTS EXCEEDING 2000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	S-NS03	24/2025	12/24/39 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DATE	EN	ARCHITECT
A3 - 1 : 50	11/28/23	EN	CT

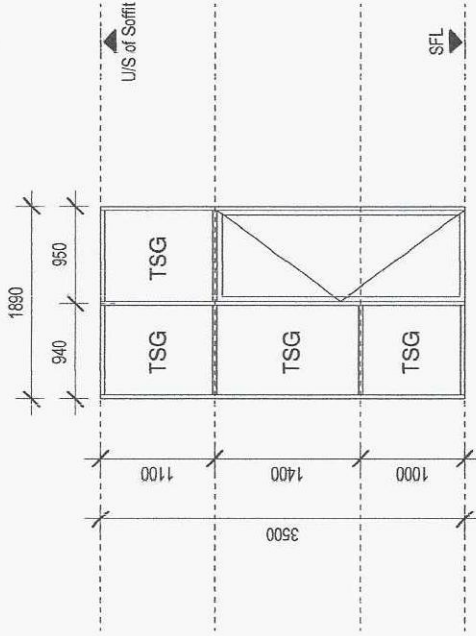
PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed E.H. "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT
KZN DoPW

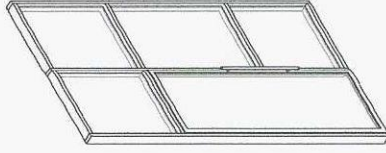
Charles Taylor
Architect cc
7A TOWNSEND ROAD,
BALUTY 3145 3853
TEL : 032 945 3853
FAX : 032 945 3854
EMAIL : charles@ctab.co.za
VAT REG NO. : 421043918

CHARLES BRAINERD TAYLOR
UPE - SACAP NO. 1940
ARCHITECT'S SIGNATURE

Glazing Schedule



Plan Detail
Scale 1 : 50



3D View
Scale

Front Elevation
Scale 1 : 50

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type		Frame Type		Frame Finish	
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL, 50MM LAMBDA BOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS		COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	

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- ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
- ALL DIMENSIONS ARE TO BE OBTAINED ON SITE BEFORE WORK IS PUT IN HAND.
- ALL DIMENSIONS ARE TO BE OBTAINED ON SITE BEFORE WORK IS PUT IN HAND.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANT'S DRAWINGS.
- ALL DIMENSIONS ARE TO BE OBTAINED ON SITE BEFORE WORK IS PUT IN HAND.
- ALL DIMENSIONS ARE TO BE OBTAINED ON SITE BEFORE WORK IS PUT IN HAND.
- ALL DIMENSIONS ARE TO BE OBTAINED ON SITE BEFORE WORK IS PUT IN HAND.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER		DRAWING NUMBER		REVISION		PLOT DATE	
18.12		S-NS04				24/02/2025	
SKETCH		COUNCIL		INFORMATION ONLY		CONSTRUCTION	
SCALE		A3 - 1 : 50		DRAWN		ARCHITECT	
				11/28/23		EN	
						CT	

PROJECT
General Justice Gizeza Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er' X' (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152

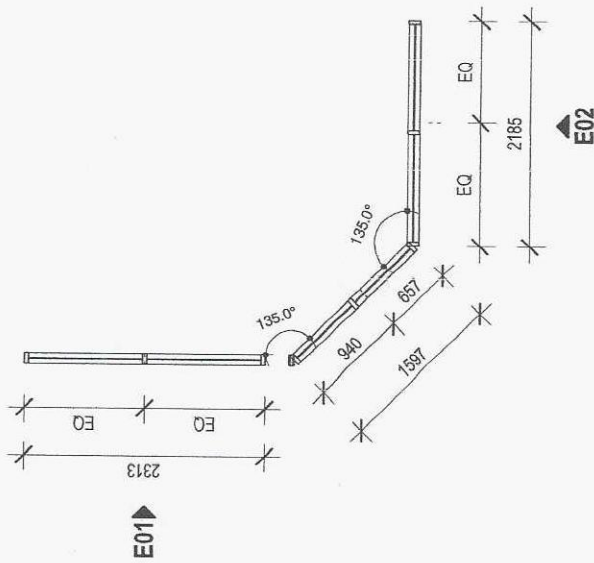
CLIENT
KZN DoPW

Charles Taylor
Architect cc
CTA PRACTICE NO. - CK: 199401754623
VAT REG NO. - 4810148918

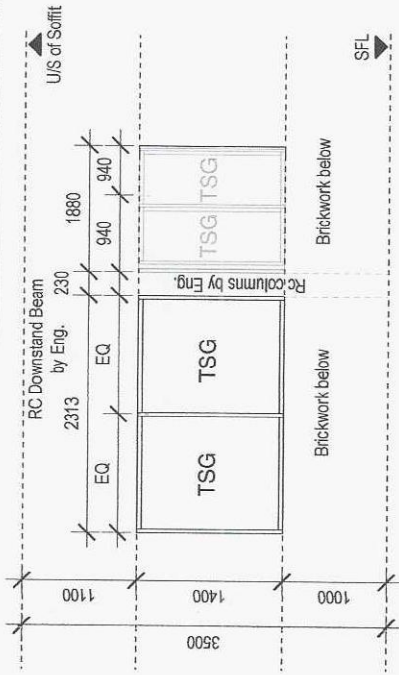
7A TOWNSEND ROAD,
BALUTU 4470
TEL: 032 946 3853
FAX: 032 946 3854
EMAIL: charles@ctata.co.za

CHARLES BRAINERD TAYLOR
LIFE: SACAP NO. 1946
ARCHITECT'S SIGNATURE

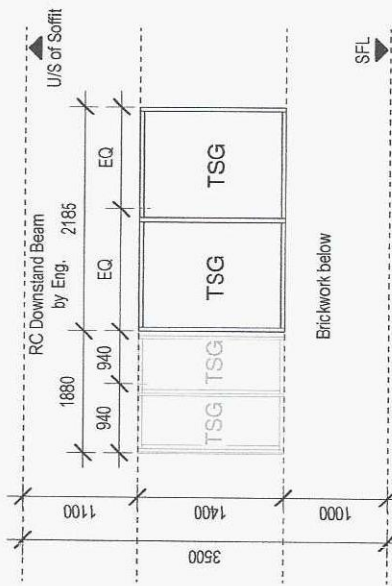
Glazing Schedule



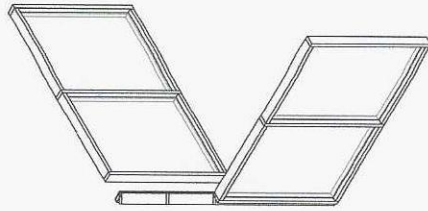
Plan Detail
Scale 1 : 50



Elevation E01
Scale 1 : 50



Elevation E02
Scale 1 : 50



3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish
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ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL 50MM LAMDBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

NOTES

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- THE DRAWING IS TO BE USED IMMEDIATELY REPORTED TO THE ARCHITECT.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STYLES (TOP MOULD AND BOTTOM RAILS) TO BE 9mm THICK.
- ALL SHOPFRONTS EXCEEDING AN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL OR OTHERS.
- DETAILS.

REV. No	DATE	DESCRIPTION	NAME

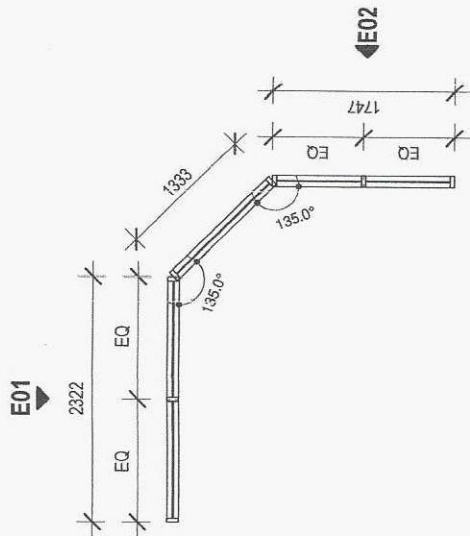
PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	S-NS05		24/02/25
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DWG DATE	ARCHITECT
		11/28/23	EN
			CT

PROJECT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WINS No : 048152

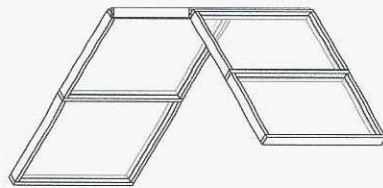
CLIENT
KZN DoPW

Charles Taylor
Architect cc
7A TOWNSEND ROAD,
BALITO, 4020
TEL : 032 946 3853
FAX : 032 946 3854
EMAIL : charles@ctab.co.za
VAT REG NO.: 4810425918

Glazing Schedule



Plan Detail
Scale 1 : 50



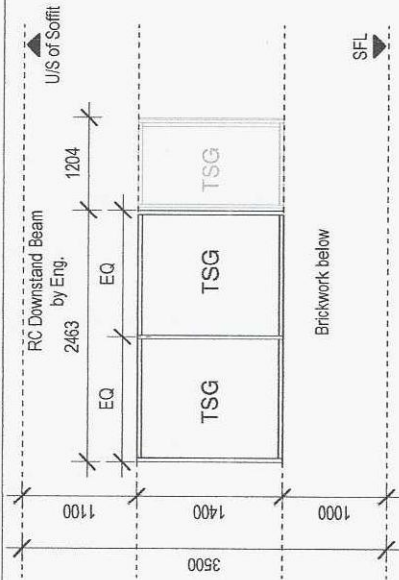
3D View

Scale

Elevation E01
Scale 1 : 50

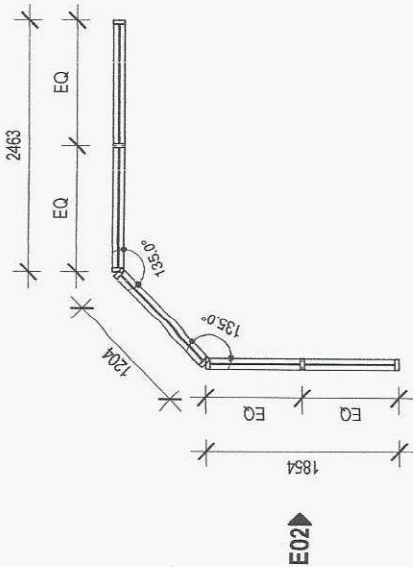
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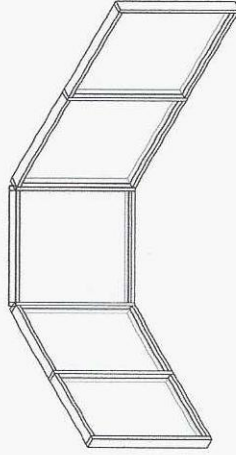
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Scale 1 : 50



Plan Detail

Scale 1 : 50

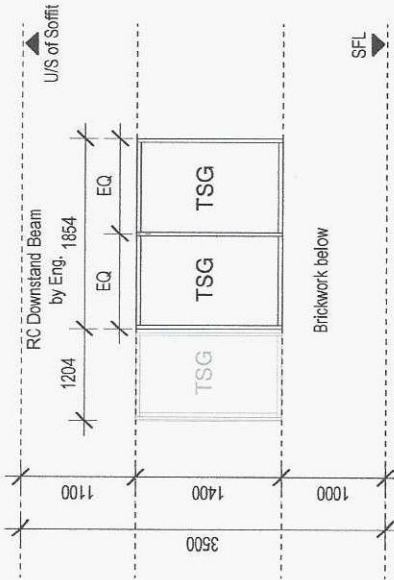


3D View

Scale

Elevation E02

Scale 1 : 50

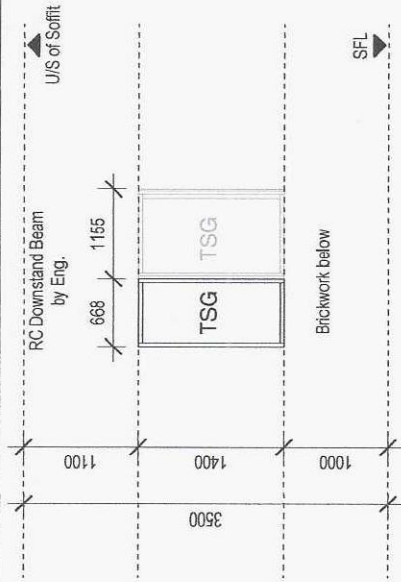


SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish

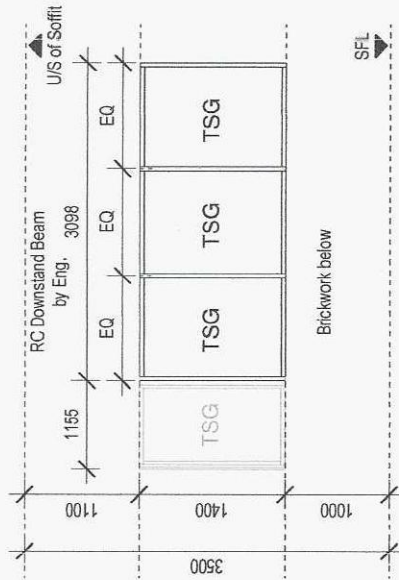
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL-50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3065 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL
--	--	---

NOTES		PROJECT	
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.		General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger WINS No : 048152	
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.		CLIENT	
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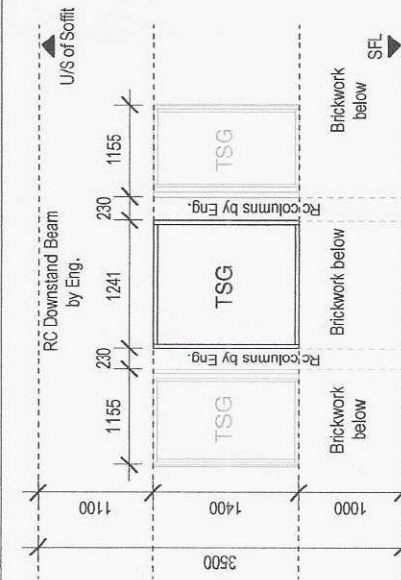
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Scale 1 : 50



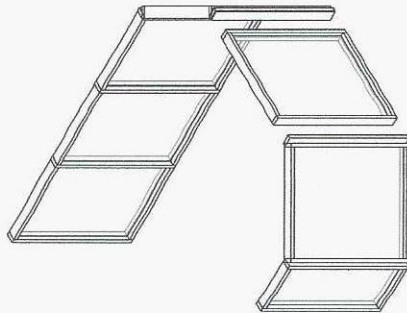
Elevation E03

Scale 1 : 50



Elevation E02

Scale 1 : 50



3D View

Scale 1 : 50

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type

Frame Type

Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

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 - 2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE SANS 10400 AND LOCAL AUTHORITY REQUIREMENTS.
 - 3. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
 - 4. ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
 - 5. THE DRAWING MAY NOT BE SCALED.
 - 6. THE DRAWING IS A PRELIMINARY DESIGN AND REMAINS THE PROPERTY OF THE ARCHITECT. COPYRIGHT IN THE DESIGN IS RESERVED BY THE ARCHITECT. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
 - 7. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS OTHERWISE STIPULATED OTHERWISE).
 - 8. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS OTHERWISE STIPULATED OTHERWISE).
 - 9. ALL SHOPFRONTS EXCEEDING 5000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DETAILS.

REV. No.	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	S-NS08		24/02/2025
			12:24:55 PM

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

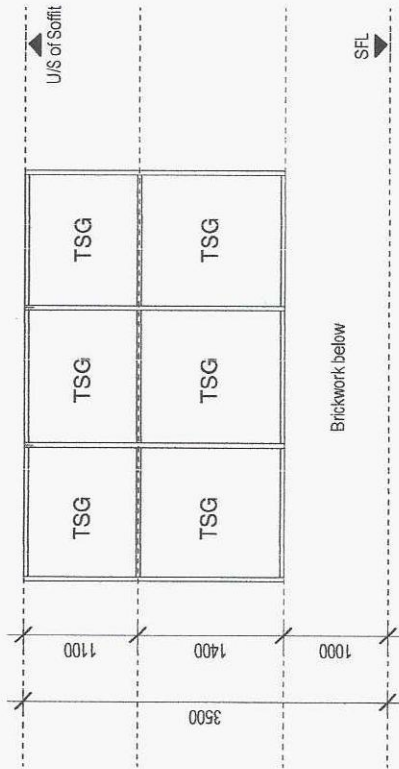
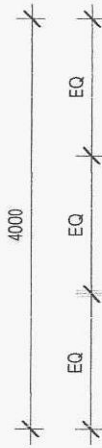
CLIENT
KZN DoPW

Charles Taylor
Architect cc
7A TOWNSEND ROAD,
BALITO 4420
TEL: 032 846 3153
FAX: 032 846 3154
EMAIL: charles@ctab.co.za

Glazing Schedule

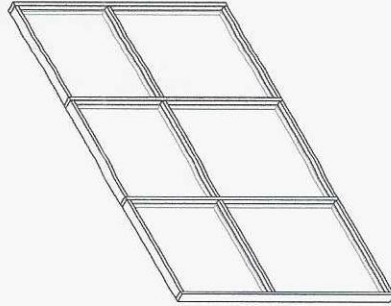
KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



Plan Detail
Scale 1 : 50

Front Elevation
Scale 1 : 50



3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type

Frame Type

Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL-50MM LAMBOARD AND 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

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5. THE DRAWING MAY NOT BE SCALED.
6. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE SANS 10400 AND LOCAL AUTHORITY REQUIREMENTS.
7. ALL COOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS OTHERWISE STIPULATED OTHERWISE).
8. ALL SHOPFRONTS EXCEEDING 500mm IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DETAILS.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	S-NS09		24/02/25 11:59 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	ARCHITECT
		11/28/23	EN
			CT

PROJECT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "x" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT

KZN DoPW

c/a Charles Taylor
Architect cc
7A1 TOWNSHIP ROAD,
BALITO 4400
TEL: 032 946 3853
FAX: 032 946 3854
EMAIL: charles@cat.co.za
UPE - SACAP NO: 4940
ARCHITECT'S SIGNATURE

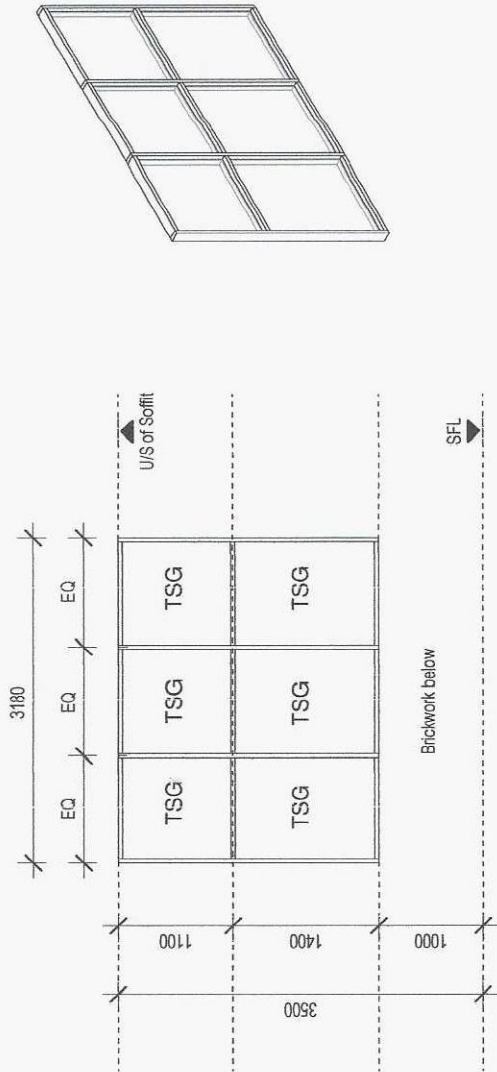
Glazing Schedule



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



Plan Detail
Scale 1 : 50

Front Elevation
Scale 1 : 50

3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish
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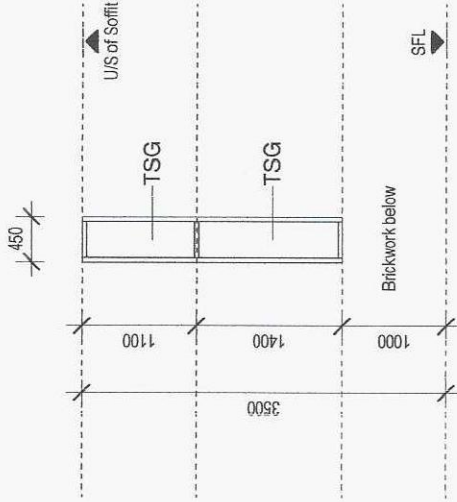
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N1.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL
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- NOTES
- THE DESIGN AND DRAWINGS ARE THE PROPERTY OF THE ARCHITECT. COPYRIGHT IN THE DESIGN AND DRAWINGS IS RESERVED BY THE ARCHITECT. NO PARTS OF THE DESIGN OR DRAWINGS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
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 - THE DRAWING MAY NOT BE SCALED.
 - THE ARCHITECT'S OFFICE IS NOT RESPONSIBLE FOR THE CONSTRUCTION OF THE DRAWINGS.
 - ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS SHOWN OTHERWISE).
 - ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS SHOWN OTHERWISE).
 - ALL SHOPFRONTS EXCEEDING 5M HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	S-NS11	24/2025	1:18:14 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DWG DATE	DRAWN	ARCHITECT
A3 - 1 : 50	11/28/23	EN	CT

PROJECT	CLIENT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er'X" (to be designated on Registration), corner of King Shaka and Patterson street, Sanger WIMS No : 048152	KZN DoPW



Plan Detail

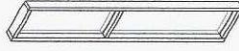
Scale 1 : 50

Front Elevation

Scale 1 : 50

3D View

Scale



SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type

Frame Type

Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL, 50MM LAMDA BOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

- NOTES
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 - ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE N.E.S. SANS 10400 AND LOCAL AUTHORITY REQUIREMENTS.
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 - ALL SHOPFRONTS EXCEEDING 5000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	S-NS12	24/2025	12/25/08 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DWG DATE	ARCHITECT
		11/28/23	EN
			CT

PROJECT
General Justice Girenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "x" (to be designated on Registration), corner of King Shaka and Patterson street, Slanger | WIMS No : 048152

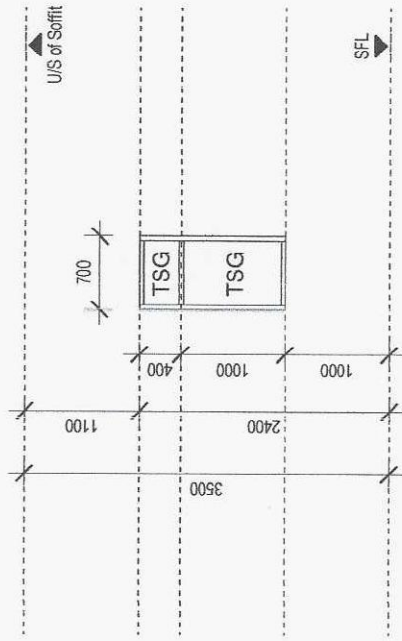
CLIENT
KZN DoPW

CIA Charles Taylor Architect cc
7A TOWNSEND ROAD, BALUTU 4201
TEL: 032 946 3853
FAX: 032 946 3854
EMAIL: charles@ciab.co.za
VAT REG NO.: 4810148918

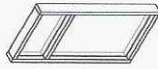
Glazing Schedule

KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



Front Elevation
Scale 1 : 50



3D View
Scale 1 : 50

SHOPFRONTS AND GLAZINGS SCHEDULE			
Glazing Type		Frame Type	Frame Finish
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED. "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 6MM ALUMINIUM PANEL. 50MM LAMDBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

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 - 8. ALL SHOPFRONTS EXCEEDING 5M HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DETAILS.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	S-QR01	24/02/25	12:25:11 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	EN

PROJECT
General Justice Girenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "x" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT
KZN DoPW

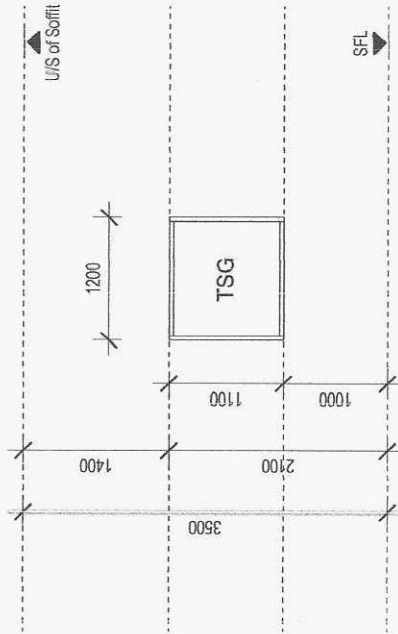
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EMAIL: charles@cjab.co.za
VAT REG NO.: 4810148518

Glazing Schedule

CHARLES BRANNARD TAYLOR
UPE - SACAP NO. 4840
ARCHITECT'S SIGNATURE

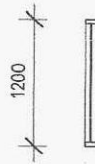
KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



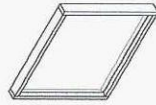
Plan Detail

Scale 1 : 50



Front Elevation

Scale 1 : 50



3D View

Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type

Frame Type

Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.

CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS

COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

NOTES
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8. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
9. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
10. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	S-QR02	2/4/2025	12:25:14 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1:50	DWG DATE	11/28/23
		EN	CT

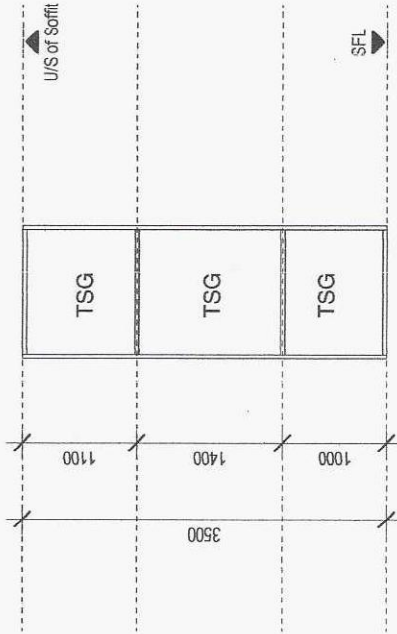
PROJECT
General Justice Gizeema Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "x" (to be designated on Registration), corner of King Shaka and Patterson street, Sianger | WIMS No : 048152

CLIENT
KZN DoPW

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Glazing Schedule

1300



1300



Plan Detail

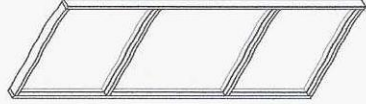
Scale 1 : 50

Front Elevation

Scale 1 : 50

3D View

Scale



SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish

ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED. "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMBDA BOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.	CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL
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- ALL DOORS STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS DRAWINGS SPECIFY OTHERWISE).
- ALL SHOPFRONTS EXCEEDING 5000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINERS.

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ARCHITECT'S SIGNATURE/RE

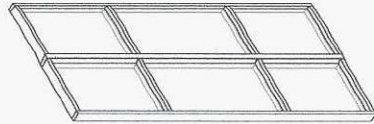
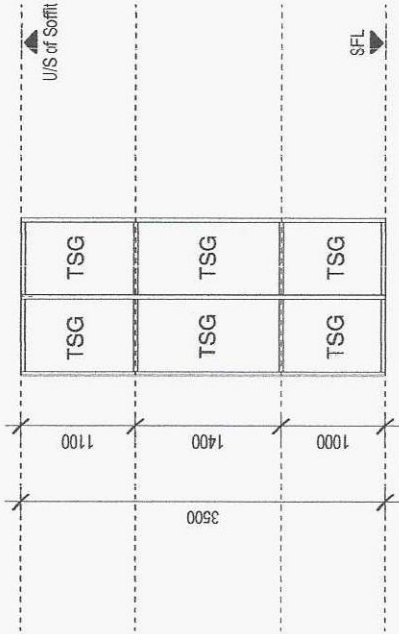
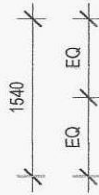
CHARLES BRANERD TAYLOR
UPE - SACAP NO. 4646
ARCHITECT'S SIGNATURE/RE

Glazing Schedule

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	S-SR01		24/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	EN
		EN	CT

PROJECT
General Justice Gzenga Moanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Slangier | WIMS No : 048152
CLIENT
KZN DoPW



Plan Detail
Scale 1 : 50

Front Elevation
Scale 1 : 50

3D View
Scale

SHOPFRONTS AND GLAZINGS SCHEDULE			
Glazing Type		Frame Type	
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED. "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	
COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL		Frame Finish	

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- 8. ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM) MUST TO BE APPROVED BY THE ARCHITECT.
- 9. ALL SHOPFRONTS EXCEEDING 5000mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	DATE
18.12	S-SR02		24/02/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	EN

PROJECT
General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er' 'X' (to be designated on Registration), corner of King Shaka and Patterson street, Sanger | WIMS No : 048152

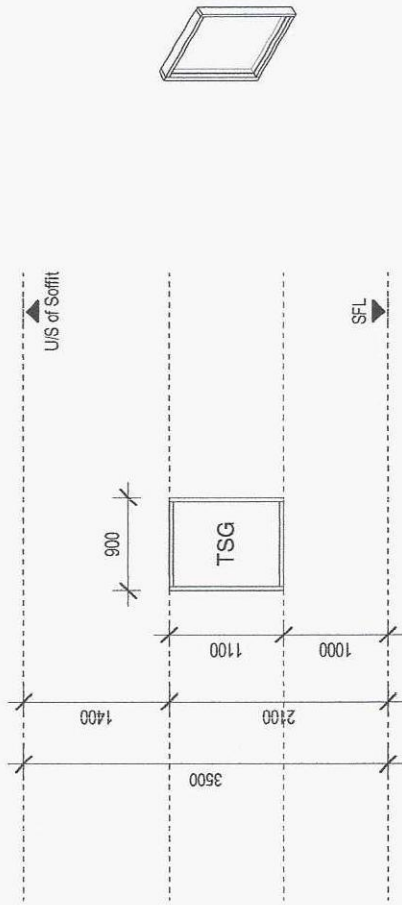
CLIENT
KZN DoPW

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Architect cc
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VAT REG NO : 451048918

Glazing Schedule

KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

KWAZULU-NATAL PROVINCE
REPUBLIC OF SOUTH AFRICA



3D View
Scale

Front Elevation
Scale 1 : 50

Plan Detail
Scale 1 : 50

SHOPFRONTS AND GLAZINGS SCHEDULE			
Glazing Type		Frame Type	
Frame Finish		Frame Finish	
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.8MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS	
COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL		COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	

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- ALL SHOPFRONTS EXCEEDING 3M IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

Charles Taylor
Architect cc

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EMAIL : charles@ctab.co.za

CTA PRACTICE NO. : CK : 1994017545/23
VAT REG NO. : 4810148918

REV. No

DATE

DESCRIPTION

NAME

PROJECT NUMBER

18.12

SKETCH

COUNCIL

SCALE

A3 - 1 : 50

DRAWING NUMBER

S-SR03

INFORMATION ONLY

DWG DATE

11/28/23

REVISION

CONSTRUCTION

PLAT DATE

24/2025

12:25:23 PM

ARCHITECT

EN

CT

PROJECT

General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Shaka and Patterson street, Slinger | WIMS No : 048152

CLIENT

KZN DoPW

KWAZULU-NATAL PROVINCE

PUBLIC WORKS & INFRASTRUCTURE

REPUBLIC OF SOUTH AFRICA

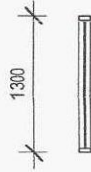
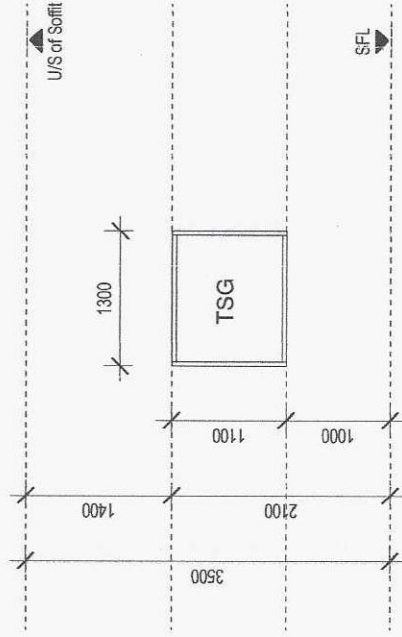
KWAZULU-NATAL PROVINCE

HEALTH

REPUBLIC OF SOUTH AFRICA

Glazing Schedule

ARCHITECT'S SIGNATURE

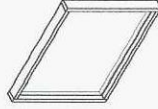


Plan Detail

Scale 1 : 50

Front Elevation

Scale 1 : 50



3D View

Scale

SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type	Frame Type	Frame Finish
CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMISA REGULATIONS		
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMDA BOARD & 12MM NUTEC BOARD - INSIDE PANEL. ALL TO COMPLY WITH SANS 10400 PART N.		COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL

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- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS DRAWINGS.
- ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS DRAWINGS SPECIFY OTHERWISE.
- ALL SHOPFRONTS EXCEEDING 5M IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEERS DESIGN.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	S-SR04	2/4/2025	12/25/26 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DWG DATE	ARCHITECT
		11/28/23	EN

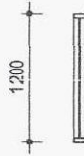
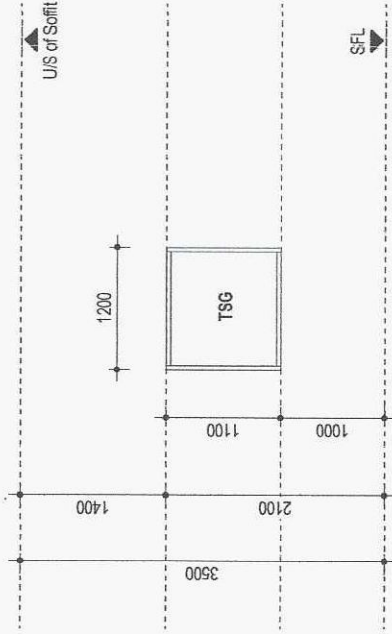
PROJECT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded
Male and Female Inpatient and Outpatient Mental Health Unit on
Proposed Erf "x" (to be designated on Registration), corner of King
Shaka and Patterson street, Slinger | WIMS No : 048152

CLIENT
KZN DoPW

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Architect cc
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EMAIL: charles@ciatb.co.za
VAT REG NO.: 481048918

CHARLES BRANERD TAYLOR
UPE - SACAP NO. 4946
ARCHITECT'S SIGNATURE

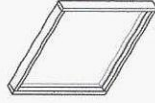
Glazing Schedule



Plan Detail
Scale 1 : 50

Front Elevation
Scale 1 : 50

3D Ortho
Scale



SHOPFRONTS AND GLAZINGS SCHEDULE

Glazing Type		Frame Type		Frame Finish	
ALL GLASS TO BE 9mm TOUGHENED SAFETY GLASS OR EQUALLY APPROVED, "LOW E" APPLICABLE AS PER MECHANICAL ENGINEER'S REQUIREMENTS. ALL SPANDREL PANELS TO BE MADE OF 0.6MM ALUMINIUM PANEL, 50MM LAMBOARD & 12MM NUTEC BOARD - INSIDE PANEL, ALL TO COMPLY WITH SANS 10400 PART N.		CLIP 44 ALUMINIUM FRAME SYSTEM TO COMPLY WITH AAAMSA REGULATIONS		COLOUR CODE: ANP 3055 MATT CHARCOAL - CONWAYS CODE: PIS 71149 MATT CHARCOAL	

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- 7. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE STIPULATED OTHERWISE.
- 8. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE STIPULATED OTHERWISE.
- 9. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE STIPULATED OTHERWISE.
- 10. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME UNLESS OTHERWISE STIPULATED OTHERWISE.

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	S-SR05	3/25/2025	7:31:59 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1 : 50	DRAWN	EN

PROJECT: General Justice Gizenga Moanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed E4 "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT: KZN DoPW

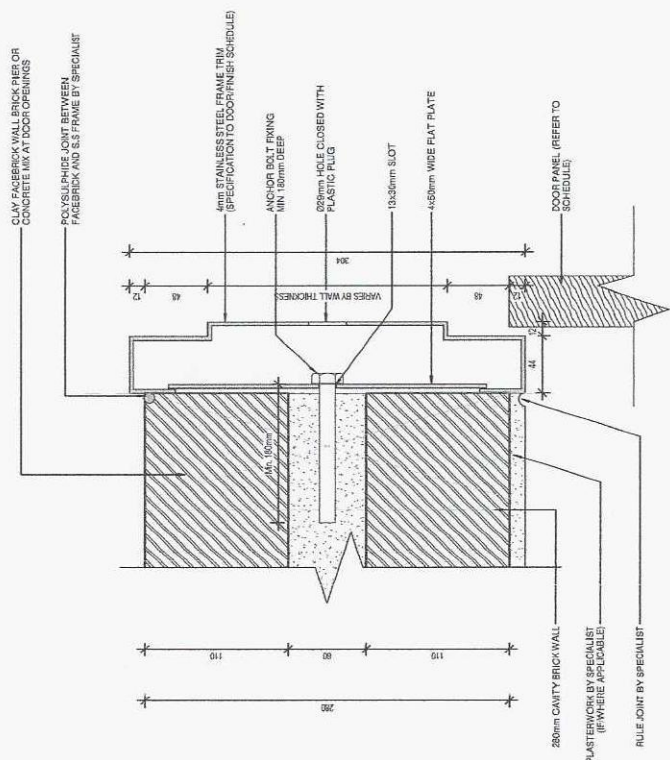
Charles Taylor
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EMAIL: charles@cta.co.za
VAT REG NO: 481048918

SHOPFRONTS AND GLAZINGS SCHEDULE

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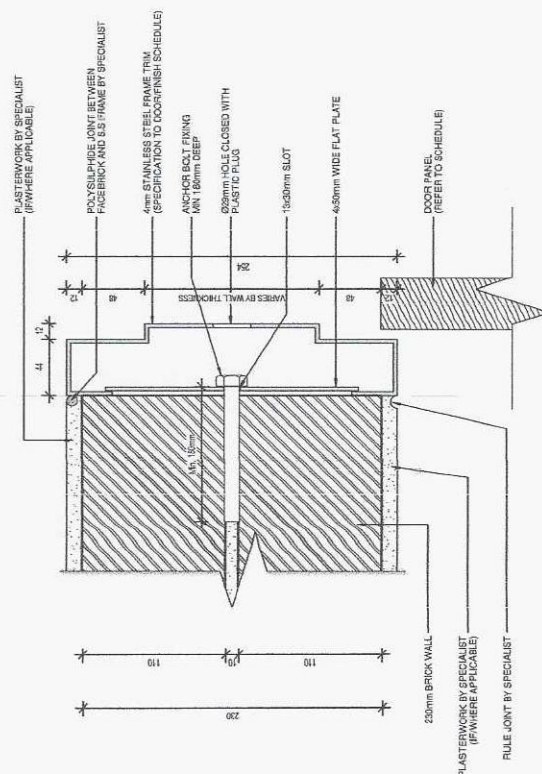
[illegible]

- CONSTRUCTION NOTES**



**TYPICAL STAINLESS STEEL FRAME DETAIL -
280mm CAVITY BRICK WALL**

Scale 1 : 2



**TYPICAL STAINLESS STEEL FRAME DETAIL -
230mm BRICK WALL**

Scale 1:2



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA



CIA Charles Taylor
Architect cc
GTA PRACTICE NO.: CK-103-46175-05/23
VAT REG NO.: 4510145315

CHARLES BRAINERD TAYLOR
UPE • SACAP NO: 4940

ARCHITECT'S SIGNATURE

General Justice Gizenga Mpanza Regional Hospital -
New 28 bedded Male and Female Inpatient and
Outpatient Mental Health Unit on Proposed Erf "X" (to
be designated on registration), corner of King Shaka
and Patterson street, Stand 1 WIMS No 048152

330 JOURNAL OF THE ATMOSPHERIC SCIENCES

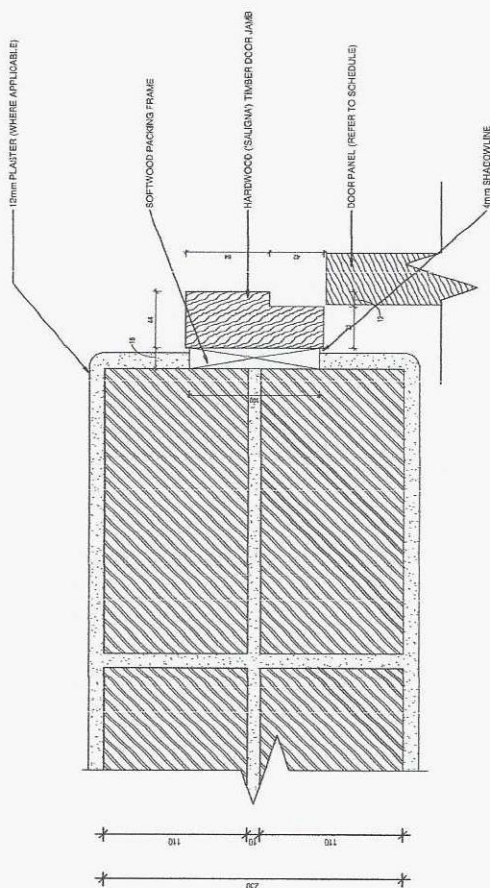
K7M PWP

Door Details - Typical Stain/Seal Steel Frame

PROJECT NUMBER	DISPATCH NUMBER	DISPATCH DATE	DISPATCH TIME
18.12	WD-XX-5200.1	INFORMATION ONLY	CONSTRUCTION
DATE	COUNTY	DISPATCH	DISPATCH
11/23/23	AL	4-2	11/23/23

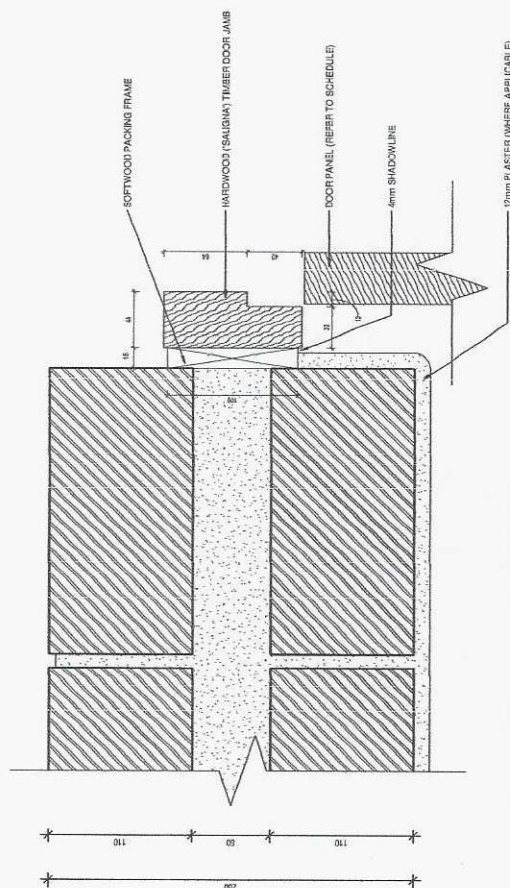
[illegible]

ALL FIXINGS AND SCREWS TO BE TAMPER PROOF
ALL FRAMES AND PANELS TO BE VANDAL PROOF
INFILL CAVITY AT DOOR AND WINDOWS OPENINGS
AS BRICK PIER OR CONCRETE MTD BY SPECIALIST



**TYPICAL TIMBER DOOR JAMB DETAIL
(HARDWOOD) - 230mm BRICK WALL**

Scale 1:2



**TYPICAL TIMBER DOOR JAMB DETAIL
(HARDWOOD) - 280mm CAVITY BRICK WALL**

Scale 1:2



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA



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1170 JOURNAL OF POST KEYNESIAN ECONOMICS

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General Justice Gwanga Mpanza Regional Hospital -
New 28 bedded Male and Female Inpatient and
outpatient Mental Health Unit on Proposed Erf "X" (to
be designated on Registration), corner of King Shaka
and Patterson street, Stanger | WIMS No : 048152

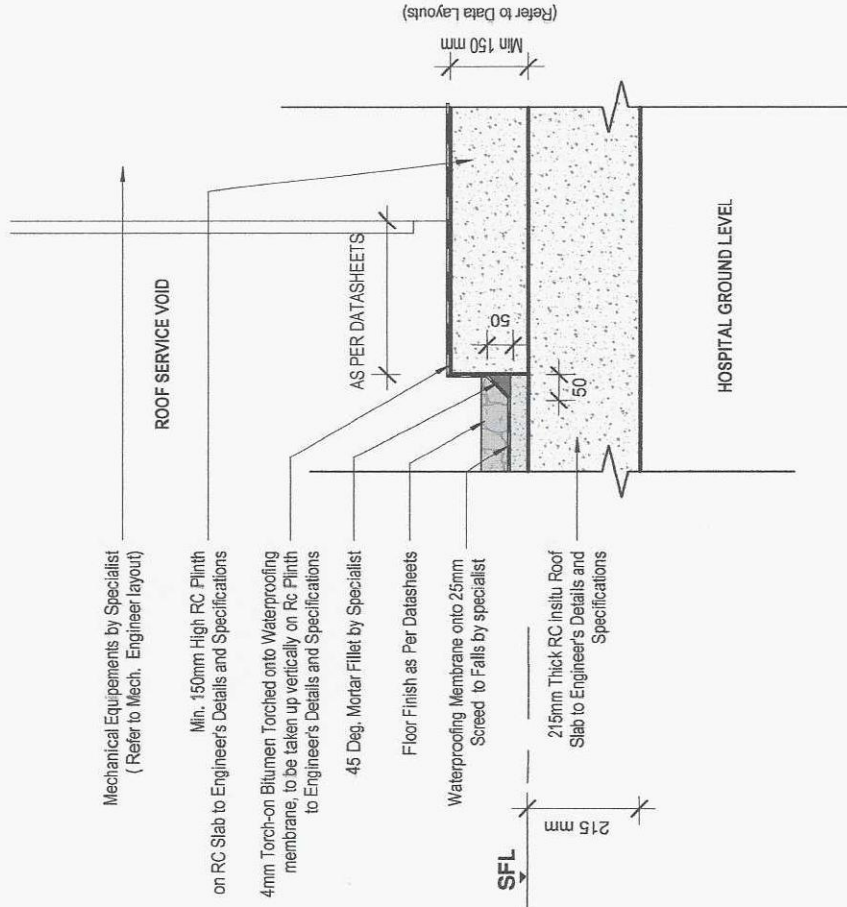
TEST ————— COURSE AND CONTENT OF THE PLAN AND PAPER

K7N DCPW

— **ENTRADA** —

Door Details - Hardwood Timber Frames

PROJECT NUMBER	18.12	WD-XX-5200.2	REASON	PLANT DATE
DRAWING NUMBER			CONSTRUCTION	3/4/2014 12/23/15
DATE	11/03/22	INFORMATION ONLY	DESIGN	APPROVED
SCALE	A1: 1:2			FILE



Notes

- Refer to Dwg LA-03-1003 for Plinths Sizes and Locations.
- To be read in conjunction with Mechanical Engineer's layouts

Typical Plinth Detail - Type 1 (Roof Area)

Scale 1 : 10

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- ALL DOOR STRUCTURAL OPENINGS MUST INCLUDE FRAME (UNLESS SPECIFIED OTHERWISE).
- ALL SHOPFLOORS EXCEEDING 600mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DETAIL.

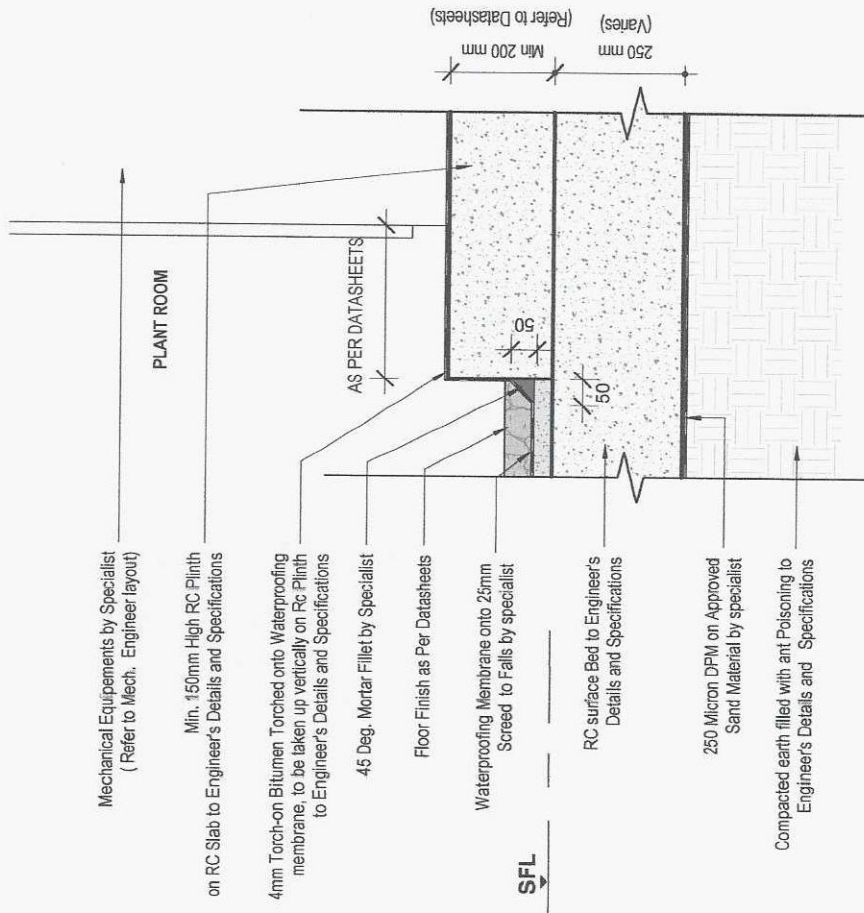
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REV.	DATE	DESCRIPTION	NAME
A	23.11.15	ISSUED FOR INFORMATION PURPOSE ONLY	EN

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	WD-XX-9001	A	24/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	END DATE	DRAWN	ARCHITECT
A3 - 1 : 10	11/13/23	EN	CT

PROJECT	CLIENT
General Justice Gizenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er "X" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger WIMS No : 048152	KZN DoPW



Notes

- Refer to Dwg LA-00-1000 for Plinths Sizes and Locations.
- To be read in conjunction with Mechanical Engineer's layouts

Typical Plinth Detail - Type 2 (Plant Room)

Scale 1 : 10

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 6. ALL SHOPFLOORS EXCEEDING 50mm HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO DIMENSIONS DETAILS.

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REV. No	DATE	DESCRIPTION	NAME
A	23/11/15	ISSUED FOR INFORMATION PURPOSE ONLY	EN

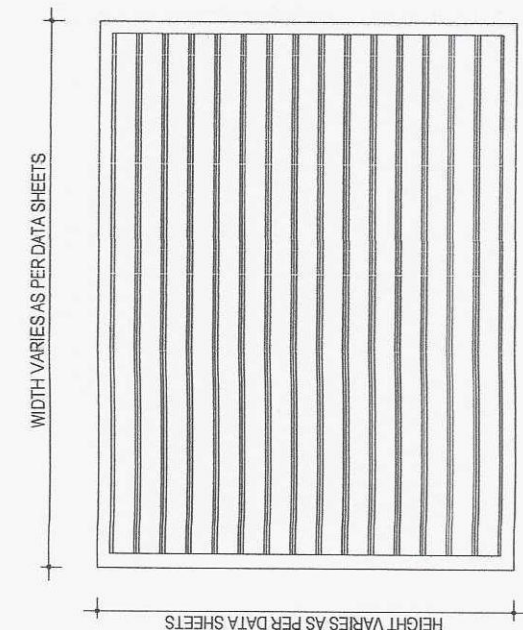
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18.12	WD-XX-9002	A	24/2025 11:10:48 AM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3- 1:10	DWG DATE	11/13/23

PROJECT
 General Justice Gizega Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "x" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WINS No : 048152

CLIENT
 KZN DoPW



Typical Plinth Detail - Type 2 (Plant Room/Area)



Weather Louvre - Typical Elevation

Scale 1 : 10

Typical Louver Blade Detail

Scale 1 : 10

Weather Louvre - Typical Plan

Scale 1 : 10

- TYPICAL WEATHER-RESISTANT LOUVRE NOTES:**

- Type: **TROX AWG-F** (aluminium construction) or Similar
- Blades of extruded aluminium sections
- Mullion in formed galvanised sheet steel; powder coated black (**Matt Jett Black ITC 39005**)
- Mullion is drilled at side and rear for connecting louvre sections together or connecting to site support structure
- Wire mesh screen from galvanised steel, mesh width 25 x 25 mm (vermin mesh)
- Color: **Matt Jett Black ITC 39005**
- Sealant: **DC 813 C silicone Sealant**

Note: all specifications are to be as per TROX specifications document or similar

[illegible]

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	WD-XX-9003	A	2/4/2025 11:10:50 AM
SKEETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE		☒	
	DWG DATE	DRAWN	ARCHITECT

PROJECT: General Justice Gizenza Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf 79, (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WJMS No. : 048152

[illegible]

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Typical Weather Louvre Details

0.8 Powder coated Aluminium Zip Tech 420 or similar Approved Concealed Fixing System Roof Sheeting on Steel substructure bolted onto RC Upstand to Engineer's details and specifications

Roof Steel structure to Engineer's details and specifications

230mm Thick Clay Brickwork on 300mm high RC upstand to Engineer's details and specifications

ROOF STEEL STR.

230mm Thick x 300mm High Off shutter Finish RC Upstand Beam to Engineer's details and specifications

2x Layer Blumex Torch On Waterproofing on screed to min 1:100 Falls to Fullbored outlets to Engineer's details and specification

Acrylic Membrane Waterproofing Dressed over Parapet & Lapped Over Torch On

200mm Thick x 250mm High Off shutter Finish RC Upstand Beam to Engineer's details and specifications

03 SERVICES LEVEL

215mm Thick Off shutter RC Roof Slab to Engineer's details and specifications

160mm Dia PVC Down Water Pipes connected to grating, to Engineer's details and specifications

Overall 280mm Thick Clay Brickwork with 60mm Cavity to have facebrick finish externally and plastered & painted internally to Engineer's details and specifications

Hulabond Powder coated Aluminium Panels Fixed to wall using aluminium subframe by Specialist.

Ref. to Dwg WD-XX-9025 for details/ specifications

'Trellidor' vandal resistant s/s mesh fitted into s/s frame (grade 316) BY MANUFACTURER AND TO LATER DETAILS

Aluminium Window with high impact 9mm toughened Glass and Heavy duty profile Frame bolted to wall. All by specialist (Ref to window schedule & specifications)

Typical Roof Overhang & Slab Edge Detail

Scale 1 : 20

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7. ALL SHAPES AND SIZES OF MATERIALS TO BE SUPPLIED BY STRUCTURAL STEEL TO BE DETERMINED BY THE ARCHITECT.
8. ALL SHAPES AND SIZES OF MATERIALS TO BE SUPPLIED BY STRUCTURAL STEEL TO BE DETERMINED BY THE ARCHITECT.

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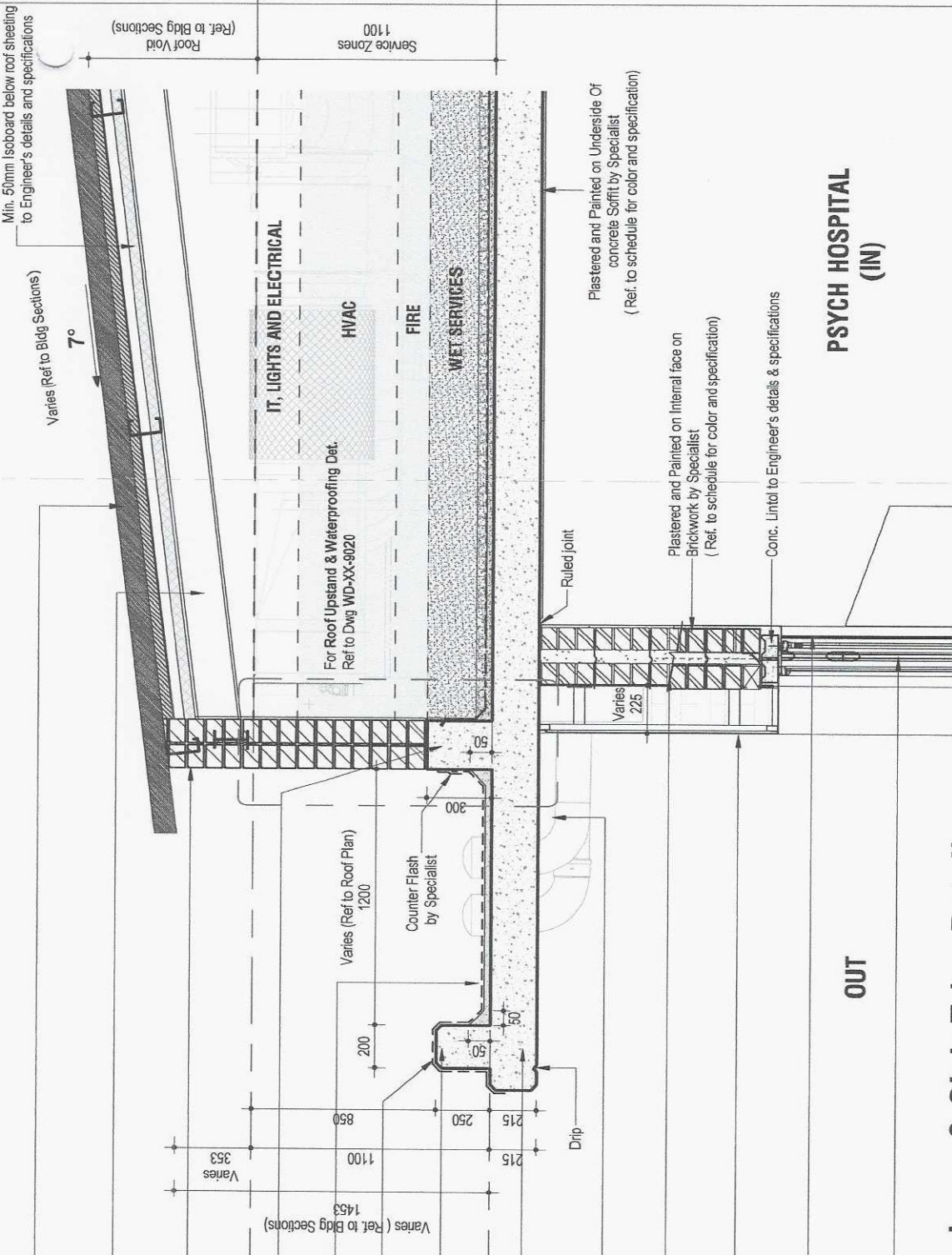
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B	23.11.29	SERVICES ZONES UPDATED AS PER COORDINATION WITH CONSULTANTS	EN
C	24.10.29	RC UPSTAND BEAMS HEIGHTS REDUCED TO 250MM AND 300MM. ENTRANCE CANOPY UPDATED TO 250MM THICK RC SLAB WITH UPSTANDS	EN

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLAT DATE
18.12	WD-XX-9005	C	24/02/25 12:10:23 PM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1:20	DRAWN	ARCHITECT
		11/20/23	EN
			CT

PROJECT	CLIENT
General Justice eZenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf "y" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger WIMS No : 048152	KZN DoPW



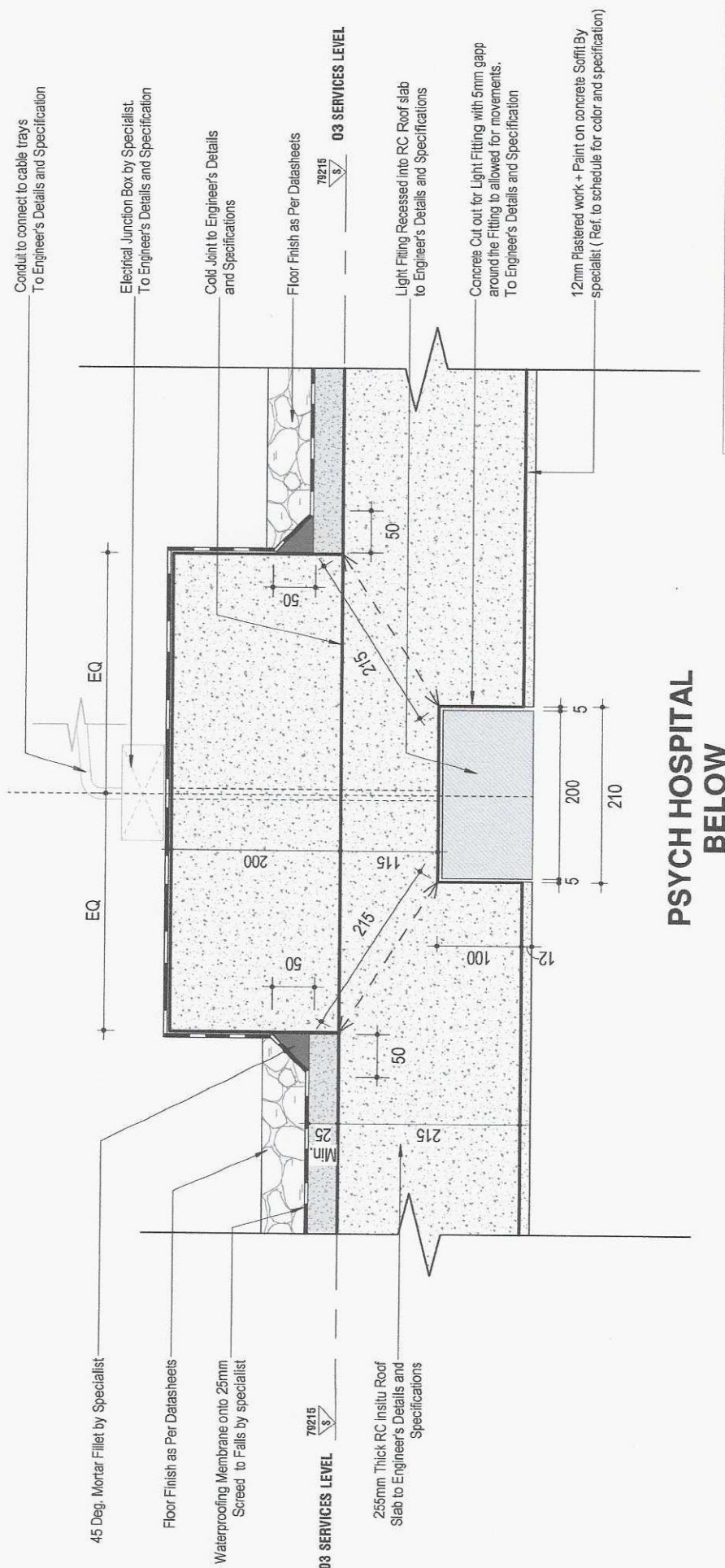
Typical Roof Overhang and Edge Detail



OUT

PSYCH HOSPITAL
(IN)

ROOF SERVICE VOID



General Notes:

Typical Recessed Light Fitting Detail

Scale 1 : 5

Conduits to run generally in concrete to feed circuits. This detail applies once per circuit to connect to roof electrical rectification zone.

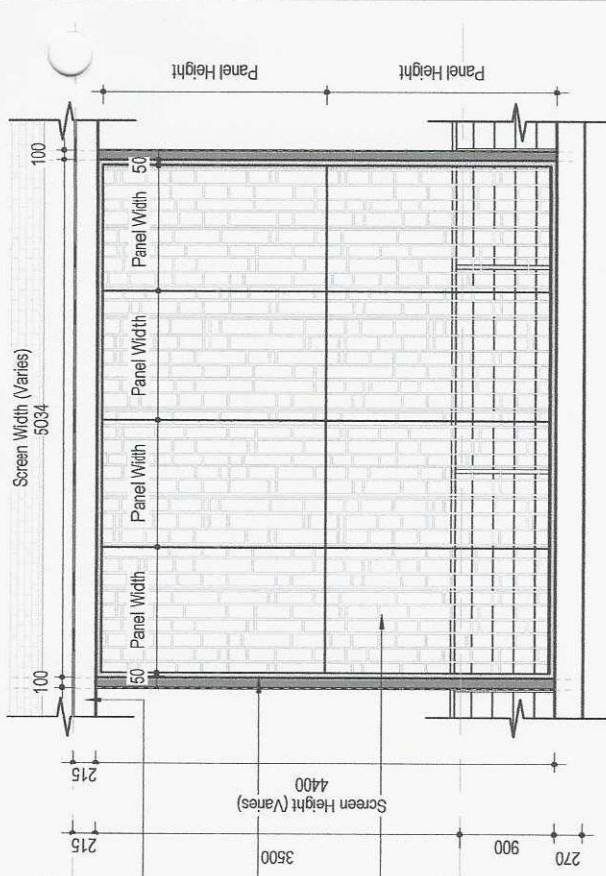
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A	23.11.20	ISSUED FOR INFORMATION AND COORDINATION	EN

PROJECT NUMBER		DRAWING NUMBER	REVISION	PILOT DATE
18.12		WD-XX-9006	A	24/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION	11/11/20 AM
SCALE		DWG DATE	DRAWN	ARCHITECT
				EN

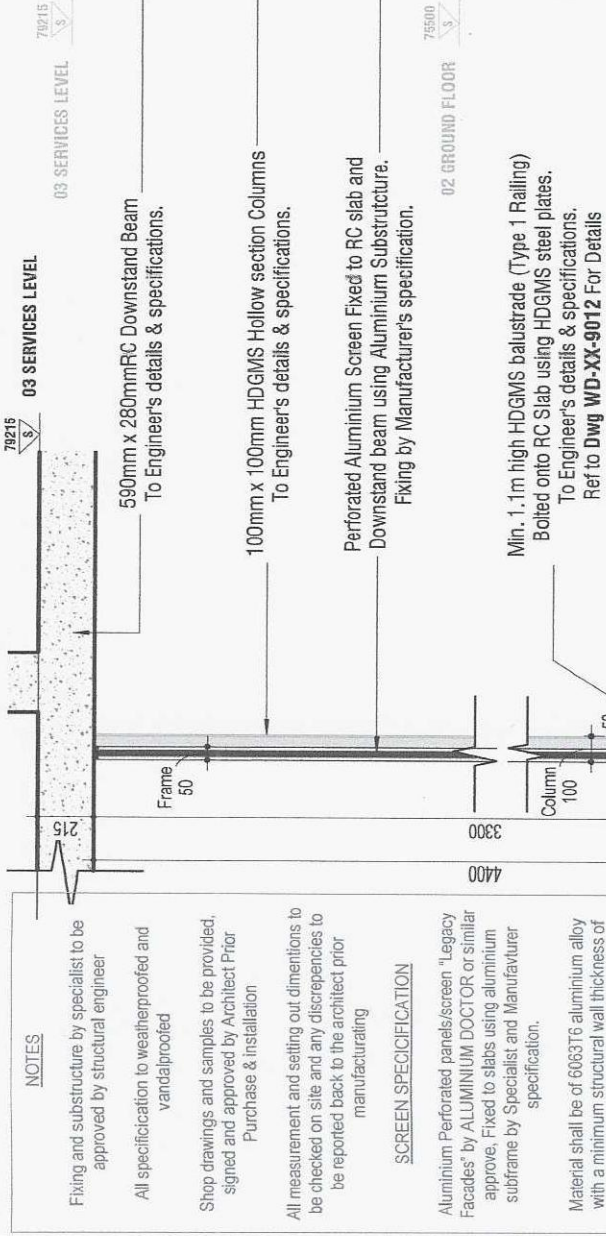
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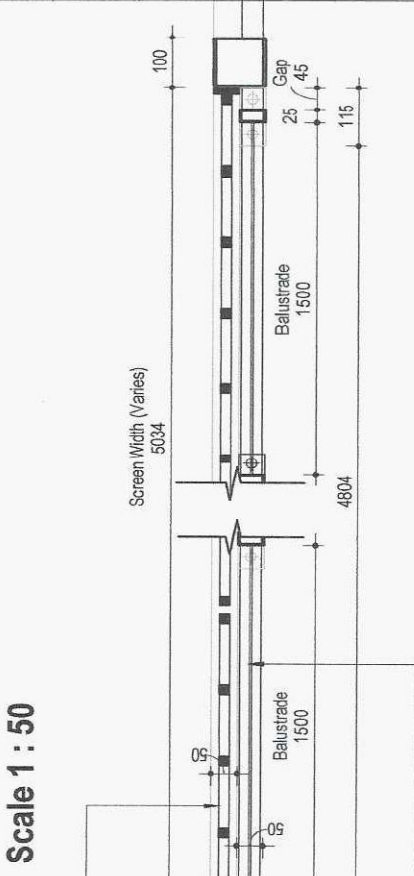
Typical Recessed Light Fitting Detail



Perforated Screen - Typical Panel Elevation
Scale 1 : 50



Perforated Screen - Typical Section
Scale 1 : 20



Perforated Screen - Typical Panel Elevation
Scale 1 : 10

Perforated Screen - Typical Panel Plan
Scale 1 : 10

Perforated Screen - Typical Section
Scale 1 : 20

Perforated Screen - Typical Panel Elevation
Scale 1 : 50

Perforated Screen - Typical Section
Scale 1 : 20

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- ALL DOOR STYLES (TOP, MIDDLE AND BOTTOM) SHALL TO BE 80mm THICK.
- ALL SUPPLIERS EXCEEDING 5000mm IN HEIGHT TO BE SUPPORTED BY STRUCTURAL STEEL TO DISPERSE LOADS.

PROJECT

General Justice Girenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient. Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Shaka and Patterson street, Slinger | WIMS No : 048152

REVISION

18.12 WD-XX-9029 B

PLANT DATE

24/02/25

REVISION

11/20/23

EN

CT

PROJECT NUMBER

18.12

DRAWING NUMBER

WD-XX-9029

SKETCH

INFORMATION ONLY

COUNCIL

CONSTRUCTION

SCALE

A3 - As indicated

DWG DATE

11/20/23

DRAWN

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ARCHITECT

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DESCRIPTION

ISSUED FOR INFORMATION ONLY

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NAME	DATE	ADDRESS	COMMENTS
A	10/15/78	10000 PINEVIEW DRIVE PINEVIEW, ALA. 36686	RECEIVED INFORMATION ON COLUMBIAN RIVER ELECTRICAL ENERGY PROJECT FROM ALA. COLUMBIAN RIVER COLLEGE DISTRICT, MOBILE, ALA.
B	10/15/78	10000 PINEVIEW DRIVE PINEVIEW, ALA. 36686	RECEIVED INFORMATION ON COLUMBIAN RIVER ELECTRICAL ENERGY PROJECT FROM ALA. COLUMBIAN RIVER COLLEGE DISTRICT, MOBILE, ALA.
C	10/15/78	10000 PINEVIEW DRIVE PINEVIEW, ALA. 36686	RECEIVED INFORMATION ON COLUMBIAN RIVER ELECTRICAL ENERGY PROJECT FROM ALA. COLUMBIAN RIVER COLLEGE DISTRICT, MOBILE, ALA.



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

CIA Charles Taylor
Architect cc
CIA PRACTICE NO.: CK-1840175-45/23

7A TOWNSEND ROAD,
BALUTO, 4003
TEL: 032 646 3653
FAX: 032 646 3654

PROJECT _____

ARCHITECT'S SIGNATURE _____

EMAIL: CHN101@163.COM

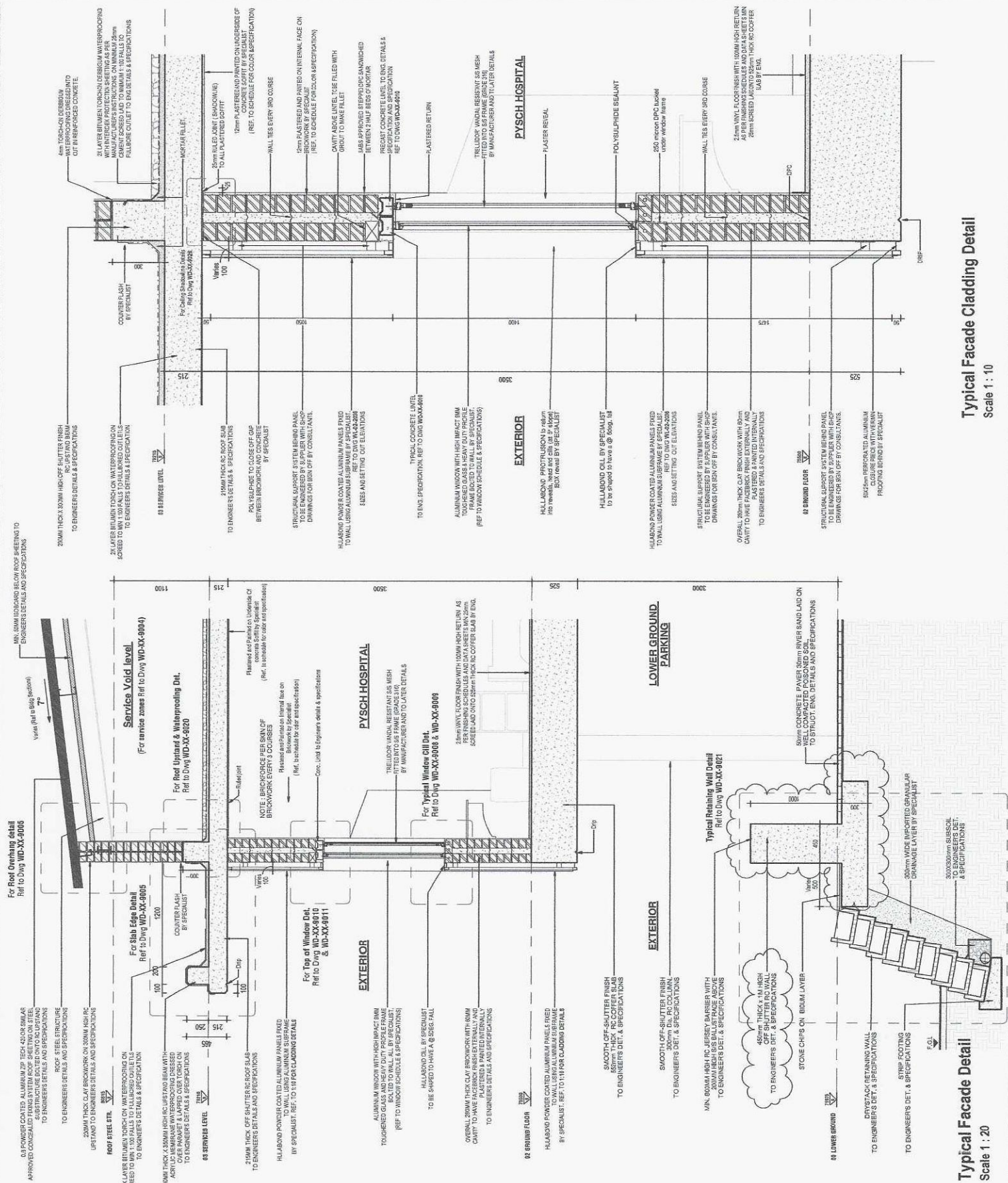
General Justice Gizenga Mwanza Regional Hospital -
New 28 bedded Male and Female Inpatient and
Outpatient Mental Health Unit on Proposed Erf "x" (to
be designated on Registration), corner of King Shaka
and Pelterson street, Stanger | WIMS No : 048152

13417

KZN DdPW

Typical Facade and Cladding Detail

PROJECT NUMBER	18.12	DRAWING NUMBER	WD-XX-9025	REVISION	C	PROJECT DATE	2/26/2016
SHEET NUMBER	A1 - See Individual	CHECKED	INFORMATION ONLY	DATE	12/21/21	DESIGN	ARCHITECT



Typical Facade Detail
Scale 1 : 20

Typical Facade Cladding Detail
Scale 1 : 10

50mm DIA. HDGMS HANDRAIL SIDE FIXED TO THE WALL
USING HDGMS STEEL PLATE BY SPECIALIST. STEEL TO
BE PRIMED AND PREPARED FOR PAINTING. PAINT
COLOUR: COLOUR CODE: ANP 3055 MATT CHARCOAL
CONWAYS CODE: PIS 71149 MATT CHARCOAL

50mm DIA. HDGMS HANDRAIL SIDE FIXED TO THE WALL
USING HDGMS STEEL PLATE BY SPECIALIST. STEEL TO
BE PRIMED AND PREPARED FOR PAINTING. PAINT
COLOUR: COLOUR CODE: ANP 3055 MATT CHARCOAL
CONWAYS CODE: PIS 71149 MATT CHARCOAL

SOLID WALL AS PER DATASHEETS,
TO ENGINEER'S DETAILS AND SPECIFICATION

RC STAIR/RAMP AS PER DATASHEETS,
TO ENGINEER'S DETAILS AND
SPECIFICATION

RC STAIR AS PER DATASHEETS,
TO ENGINEER'S DETAILS AND
SPECIFICATION

USED FOR A PARAPLEGIC RAMP

50mm DIA. HDGMS HANDRAIL SIDE FIXED TO THE WALL
USING HDGMS STEEL PLATE BY SPECIALIST. STEEL TO
BE PRIMED AND PREPARED FOR PAINTING. PAINT
COLOUR: COLOUR CODE: ANP 3055 MATT CHARCOAL
CONWAYS CODE: PIS 71149 MATT CHARCOAL

RC STAIR AS PER DATASHEETS,
TO ENGINEER'S DETAILS AND
SPECIFICATION

FLOOR FINISH
AS PER DATA SHEETS

USED FOR ON A STAIR

HANDRAIL DETAILS

Scale 1 : 10

HANDRAIL SIDE ELEVATIONS

Scale 1 : 20

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE S.A.S. STANDARDS AND LOCAL
3. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORKS PUT IN HAND.
4. ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
5. THE DRAWING MAY NOT BE SCALED.
6. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE S.A.S. STANDARDS AND LOCAL
7. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE S.A.S. STANDARDS AND LOCAL
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9. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE S.A.S. STANDARDS AND LOCAL
10. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE S.A.S. STANDARDS AND LOCAL

REV.	No.	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLANT DATE
18.12	WD-XX-9013		24/02/2025
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - As indicated	DRAWN	EN

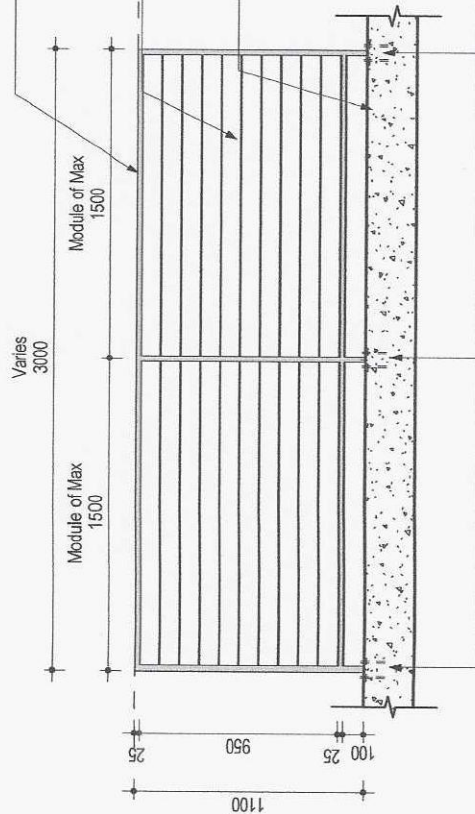
PROJECT
General Justice Gizezanga Mpanza Regional Hospital - New 28 bedded
Male and Female Inpatient and Outpatient Mental Health Unit on
Proposed Er "x" (to be designated on Registration), corner of King
Shaka and Patterson street, Stanger | WIMS No : 048152
CLIENT
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Architect cc
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EMAIL: charles@ciab.co.za
VAT REG NO.: 4810148918

Typical Railing Details Type 2 - Steel Handrail

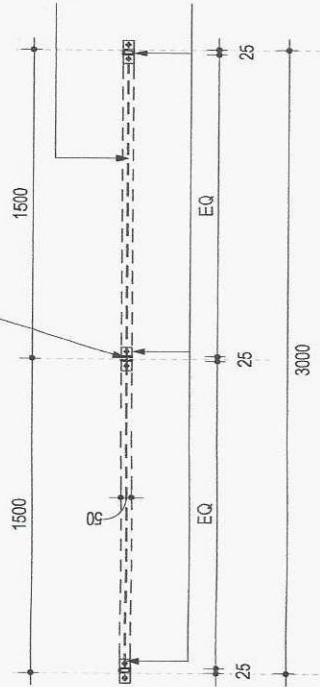
KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA
KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

NOTE:
One panel sample required from contractor for approval.



TYPICAL BALUSTRADE - ELEVATION (ON WALKWAYS)
SCALE 1:25

Min. 1.1m high 50x25mm HDGMS balustrade Bolted onto RC Slab/stairs using HDGMS steel plates to Engineer's details & specifications. Steel to be primed and prepared for painting. Paint colour code: ANP 3055 Matt Charcoal
Conways code: PIS 71149 Matt Charcoal.



TYPICAL BALUSTRADE - PLAN
SCALE 1:25

Min. 1.1m high 50x25mm HDGMS balustrade Bolted onto RC Slab/stairs using HDGMS steel plates to Engineer's details & specifications. Steel to be primed and prepared for painting. Paint colour code: ANP 3055 Matt Charcoal
Conways code: PIS 71149 Matt Charcoal.

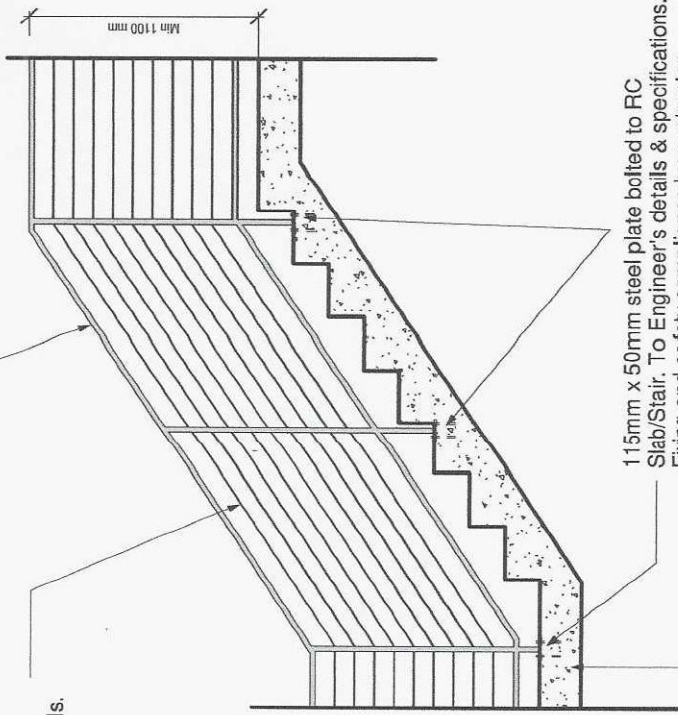
4mm 316 stainless steel cable tapped into flat bar baluster either end with 1 s/st turnbuckle per run at 80mm intervals.

Power floated Rc External walkway Slab to Engineer's Details and Specifications



115mm x 50mm HDGMS steel plate bolted onto RC Slab/stair. To Engineer's details & specifications. Fixing and safety compliance by contractor.

Min 1100



4mm 316 stainless steel cable tapped into flat bar baluster either end with 1 s/st turnbuckle per run at 80mm intervals.

115mm x 50mm HDGMS steel plate bolted onto 500mm High RC upstand. To Engineer's details & specifications. Fixing and safety compliance by contractor.

115mm x 50mm steel plate bolted to RC Slab/Stair. To Engineer's details & specifications. Fixing and safety compliance by contractor.

Off-Shutter RC Concrete stair with 40x40x3mm galvanized mild steel angle stair nosing, anchored into stair Ref to Dwg **WD-XX-9023** for Nosing Det. All in accordance with SANS 10400 part N and to Engineer's details and specifications

TYPICAL BALUSTRADE - ELEVATION (ON STAIRS)
SCALE 1:25

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4. THE DRAWING IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE ARCHITECT'S PERMISSION.
5. ALL DIMENSIONS (TOP, MIDDLE AND BOTTOM) SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
6. ALL DOOR STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME (UNLESS OTHERWISE SPECIFIED).
7. ALL DIMENSIONS EXCEEDING 3000mm SHALL BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DETAILS.

REV. NO.	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	FLAT DATE
18.12	WD-XX-9012		24/02/25
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1:25	DRAWN	EN

PROJECT
General Justice Gizeanga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Erf 'x' (to be designated on Registration), corner of King Shaka and Patterson street, Slangkop | WIMS No : 048152
CLIENT
KZN DoPW

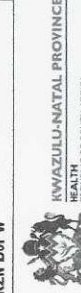
Charles Taylor
Architect cc
7A TOWNSEND ROAD,
BALITO 4420
TEL: 032 948 3853
FAX: 032 948 3854
EMAIL: charles@ctab.co.za
VAT REG NO.: 4810148918

CHARLES BRAINERD TAYLOR
UPE - SACAP NO. 4940
ARCHITECT'S SIGNATURE

Typical Railing Details Type 1 - Steel Balustrade



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA



KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

Trellidor Clear Guard French Window - Psychiatric Unit - Specification

Ref: Window schedule - WA-01

1.0 Product Overview:

The panels are made of a stainless-steel mesh held in an aluminium frame. The frame features a classic design with mitred corners held together with temper-resistant stainless-steel screws. Fitted on the inside of the frame, the patented mesh tension system is comprised of an aluminium inner sash, a rubber gasket, and proprietary stainless-steel screws. In addition to safety and security, the system also offers protection against harmful UV rays and glare without compromising clear views, ventilation, and the style or appearance of a building. The product is manufactured in a BRE- LPCB: ISO 9001-2015-rated factory facility.

2.0 Suitable application:

The Trellidor Clear Guard French window system is suitable for window openings. In this arrangement, the system consists of two even or uneven panels hinged on either side of the opening/frame and opened outward or inward from where the two panels meet.

3.0 Technical description of the product:

3.1. Mesh:

Stainless-steel mesh (See Annexure A on Dwg. WD-XX-9033)

3.2. The following subsections are to be read in conjunction with Annexure D

3.2.a. Main Frame:

The panel frame is 90mm (w) x 35 mm (d) and is extruded from 6063- T5 aluminium alloy. The nominal wall thickness of the main frame is 2 mm. The main frame is mitre cut on the corners and fitted with the internal extruded solid aluminium corner stake measuring 60mm (w) x 60 mm (h) x 25 mm (d).

3.2.b. Mid-rail (where applicable):

At 50 mm wide, the mid-rail is extruded from 6063- T5 aluminium alloy. The mid-rail comprises two separate pieces on either side of the mesh and is fastened together by screws. The mid-rail is secured into the main frame on either end.

3.2.c. Sub Frame: measures 42mm (w) x 33d and is extruded from 6063- T5 aluminium alloy. The nominal thickness of the subframe is 2mm.

3.2.d. Middle frame: measures 52mm (w) x 43mm (d) and is extruded from 6063- T5 aluminium alloy. The nominal thickness of the subframe is 2mm.

4.0. Configuration:

4 Sided, fully framed.

5.0. Handles and Locking system:

5.0.a. Heights below 600mm will have a single locking point in the centre.

5.0.b. Heights at 600mm and above will have two locking points positioned equidistant and operated by a matching key on separate cylinders.

5.0.c. The slave panel has concealed independent top and bottom shoot bolts in the top and bottom frame.

5.0.d. The system does not have handles. Removable key is used for opening and closing the unit.

6.0 Handle and accessories:

6.0.a The unit does not have handles.

6.0.a The cylinder protrudes less than 3mm on either side of the frame.

7.0. Quality management system

The product is manufactured in a BRE-LPCB: ISO 9001-2015-rated factory facility.

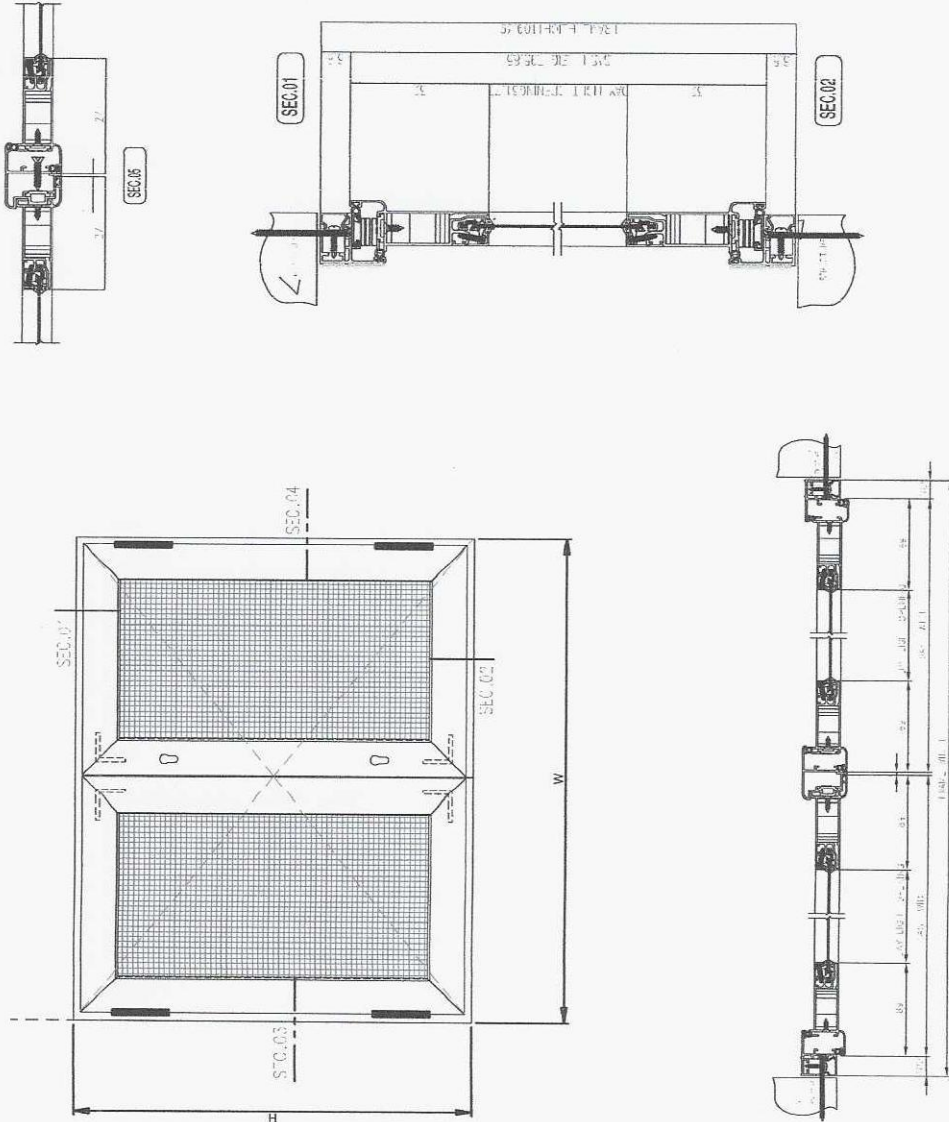
8.0. Installation:

Minimum reveal requirement = 70mm from the most protruding structure of the glazing/window system.

Installation shop drawings are to be provided by Trellidor before the fitment of glass and aluminium window systems as supplied by others.

The unit is delivered to the site as separate disassembled components. Installation is to be carried out by trained and certified Trellidor installation technicians.

The system can be retrofitted



Window security screen Type 2 - French Window Unit

Scale 1 : 5

NOTES:
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3. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
4. ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
5. THE DRAWING MAY NOT BE SOLD.
6. ALL DOOR STYLES TOP, MIDDLE AND BOTTOM PANELS TO BE 90mm THICK.
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19. ALL DOOR STYLES TOP, MIDDLE AND BOTTOM PANELS TO BE 90mm THICK.
20. ALL DOOR STYLES TOP, MIDDLE AND BOTTOM PANELS TO BE 90mm THICK.

REV. NO.	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	WD-XX-9031	24/02/25 11:15:57 AM	
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	DATE	DRAWN	ARCHITECT
A3 - 1:5	11/20/23	EN	CT

PROJECT	General Justice Genga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Er'ya (to be designated on Registration), corner of King Shaka and Patterson street, Sanger WIMS No : 048152
CLIENT	KZN DoPW

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EMAIL : charles@clab.co.za
VAT REG NO. : 481048918

CHARLES BRANDED TAYLOR
UPE - SACAP NO: 4940
ARCHITECT'S SIGNATURE

Typical Window Screen Details - Type 2 (French Window Unit)

KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA
KWAZULU-NATAL PROVINCE
HEALTH
REPUBLIC OF SOUTH AFRICA

Trellidor Clear Guard – Awning (Top-hung) Window – Psychiatric Unit - Specification

Ref: Window schedule – WB-01 to WB-04

1.0. Product overview:

The panels are made of a stainless-steel mesh held in an aluminium frame. The frame features a classic design with milled corners held together with temper-resistant stainless-steel screws. Fitted on the inside of the frame, the patented mesh tension system is comprised of an aluminium inner sash, a rubber gasket, and proprietary stainless-steel screws. In addition to safety and security, the system also offers protection against harmful UV rays and glare without compromising clear views, ventilation, and the style or appearance of a building. The product is manufactured in a BRE- LPCB: ISO 9001-2015-rated factory facility.

2.0. Suitable Applications:

The Trellidor Clear Guard Awning window is a top hung system suitable for window openings. It is hinged on the top end of the outer frame and opens outwards and upwards from the bottom.

3.0. Technical description of product:

3.1. Main Frame (Panel):

The main frame or sash is 89mm (w) x 23 (d) and is extruded from 6063- T5 aluminium alloy. The nominal wall thickness of the main frame is 2mm. The main frame is milled out on the corners and fitted with the internal extruded solid aluminium corner stake measuring 60mm (w) x 60mm (h) x 20mm (d).

3.2. Mid-rail (where applicable):

At 50 mm wide, the mid-rail is extruded from 6063- T5 aluminium alloy. The mid-rail is made up of two separate pieces, which are located on either side of the mesh and fastened together by screws. The mid-rail is secured into the main frame on either end.

4.0. Mesh:

Stainless-steel mesh (See Annexure A on Dwg. WD-XX-9033)

5.0. Window Frame:

The window frame is 42mm (w) x 33 (d) and is extruded from 6063- T5 aluminium alloys. The nominal wall thickness of the main frame is 2mm.

6.0. Size limitations:

See Table B.2 (see Annexure B)

7.0. Configuration:

4 sided, fully framed.

8.0. Handles and Locking system:

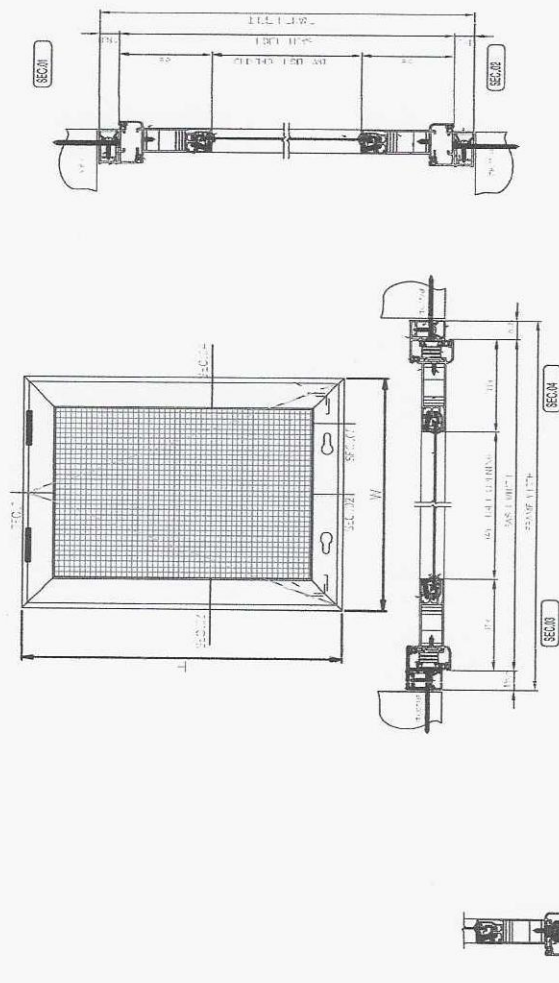
- 8.0.a. Widths narrower than 600mm will have a single locking point in the centre.
- 8.0.b. Widths at 600mm and above will have two locking points positioned equidistant and operated by a matching key on separate cylinders.
- 8.0.c. The cylinder protrudes less than 3mm on either side of the frame.
- 8.0.d. The system does not have handles. Removable key is used for opening and closing the unit.

9.0. Quality management system

The product is manufactured in a BRE- LPCB: ISO 9001-2015-rated factory facility.

10.0. Installation:

- Minimum reveal requirement = 70mm from the most protruding structure of the glazing/window system.
- Installation shop drawings are to be provided by Trellidor before the fitting of glass and aluminium window systems as supplied by others.
- The unit is delivered to the site as separate disassembled components. Installation is to be carried out by trained and certified Trellidor installation technicians.
- The system can be retrofitted.



Window security screen Type 1 - Awning Window Unit

Scale 1 : 5

NOTES

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- ALL DIMENSIONS AND ANGLES ARE TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND.
- ANY DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE ARCHITECT.
- THE DRAWING MAY NOT BE SCALED.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION TO CONSULTANTS' DRAWINGS.
- ALL DOOR/STRUCTURAL OPENING DIMENSIONS INCLUDE FRAME DIMENSIONS (UNLESS OTHERWISE STIPULATED OTHERWISE).
- ALL SHOP/FRONT ELEVATIONS SHALL BE SUPPORTED BY STRUCTURAL STEEL TO ENGINEER'S DESIGN.

CIA Charles Taylor Architect cc
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EMAIL: charles@ceb.co.za
VAT REG NO.: 481018918

CHARLES BRANNER TAYLOR
UPE - SACAP NO: 4940
ARCHITECT'S SIGNATURE

REV. No	DATE	DESCRIPTION	NAME

PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	WD-XX-9030	24/2025	11:11:55 AM
SKETCH	COUNCIL	INFORMATION ONLY	CONSTRUCTION
SCALE	A3 - 1:5	DWG DATE	11/20/23
		ARCHITECT	CT

PROJECT	CLIENT
General Justice Gicenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient. Mental Health Unit on Proposed Erf "X" (to be designated on Registration), corner of King Shaka and Patterson street, Slanger WIMS No : 048152	KZN DoPW

Typical Window Screen Details - Type 1 (Awning Window Unit)



NOTES:

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PROJECT NUMBER	DRAWING NUMBER	REVISION	PLOT DATE
18.12	WD-XX-9037		2/4/2026 11:12:08 AM
SCALE	COUNCIL	INFORMATION ONLY	CONSTRUCTION
		☒	
A3 - 1:1	DWG DATE	DRAWN	ARCHITECT
	11/20/23		EN
			CT

PROJECT: General Justice Girenga Mpanza Regional Hospital - New 28 bedded Male and Female Inpatient and Outpatient Mental Health Unit on Proposed Err "x" (to be designated on Registration), corner of King Shaka and Patterson street, Stanger | WIMS No : 048152

CLIENT: UZ/TA P-0041

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ARCHITECT'S SIGNATURE

Typical Epoxy Wall Recess Detail