



forestry, fisheries
& the environment
Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

The Environment House, 473 Steve Biko Road, Cnr Soutpansberg and Steve Biko Road, Pretoria

BID NO: DFFE-T017 (23/24)

BID DESCRIPTION: THE APPOINTMENT OF CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB) GRADED CONSTRUCTOR FOR THE IMPLEMENTATION OF THE INFRASTRUCTURE PROJECT: MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE PROJECTS.

Contractors should be informed that the briefing date and closing date the of the above-mentioned bid number DFFE-T017 (23-24) has been extended.

The new dates are as follows.

- 1) The briefing date of the 15th of August 2023 has been changed to 18th of August 2023.
- 2) The initial closing date of the 30th of August 2023 has been changed to the 07th of September 2023

The Department will not accept any late bids.

Sincerely,



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

INVITATION TO BID BID NUMBER: DFFE-T017 (23/24)

**THE APPOINTMENT OF CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB) GRADED
CONTRACTOR FOR THE IMPLEMENTATION OF THE INFRASTRUCTURE PROJECT: MP -
SWILE MAVOKWENI GAME FARM AND WILDLIFE PROJECTS**

ENQUIRIES:

Name : SCM Officials
Office Telephone No. : 012 399 9892
E-Mail : Tenders@dffe.gov.za

**NATIONAL TREASURY CENTRAL SUPPLIER DATABASE (CSD) REGISTRATION
INFORMATION**

Company name	Supplier registration number	Unique reference number	
			Main contractor
			Sub-contracted/ joint venture comp 1
			Sub-contracted/ joint venture comp 2

The compulsory Pre-tender site inspection meeting will be held as follows:

Site 1 Venue: MP Bushbuckridge Swile Mavokweni Project Site

(-24.786734541988878, 31.26708984375

Date: 18 August 2023

Starting time: 11h00am

CLOSING DATE OF THE BID: 07 SEPTEMBER 2023 @11:00 AM

NB: Bidders should note that enquiries will only be allowed at

least 10 days before the tender closed.

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	DFFE-T017(23/24)	CLOSING DATE:	07 September 2023	CLOSING TIME:	11:00
DESCRIPTION	THE APPOINTMENT OF CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB) GRADED CONSTRUCTOR FOR THE IMPLEMENTATION OF THE INFRASTRUCTURE PROJECT: MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE PROJECTS				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
Department of Forestry Fisheries and The Environment.					
473 Steve Biko Road; Cnr Soutpansberg and Steve Biko Road, Arcadia Pretoria /Tshwane					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Enquiries: Tenders@dffe.gov.za		CONTACT PERSON	SCM Practitioners	
TELEPHONE NUMBER	012 399 9892		TELEPHONE NUMBER	012 399 9892	
FACSIMILE NUMBER	N/A		FACSIMILE NUMBER		
E-MAIL ADDRESS	Tenders@dffe.gov.za		E-MAIL ADDRESS	Tenders@dffe.gov.za	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] ☐ Yes ☐ No	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER PART B:3]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				☐ YES ☐ NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				☐ YES ☐ NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				☐ YES ☐ NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				☐ YES ☐ NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				☐ YES ☐ NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

PART B
TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

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

DATE:



**forestry, fisheries
& the environment**
Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

TENDER NO: _DFFE-T017(23-24)

PROJECT NAME: MP SWILE MAVOKWENI GAME FARM AND WILDLIFE PROJECT

DEPARTMENT OF FORESTRY, FISHERIES AND THE ENVIRONMENT

VOLUME 1 – TENDERING PROCEDURES

VOLUME 2 – RETURNABLE DOCUMENTS

VOLUME 3 – THE CONTRACT

TENDER DOCUMENT

August 2023

ISSUED BY:

DEPARTMENT OF FORESTRY FISHERIES AND THE ENVIRONMENT
PRIVATE BAG X447
ENVIRONMENTAL HOUSE
PRETORIA
0001

PREPARED BY:

PATSON AND PARTNERS
P.O.BOX 2283
NELSPRUIT
MPUMALANGA PROVINCE
1200

NAME OF THE TENDERER:

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VOLUME 1: TENDERING PROCEDURES

T1.1 NOTICE AND INVITATION OF TENDER

Project Name:	MP SWILE MAVOKWENI GAME FARM AND WILDLIFE PROJECT
Reference no.:	EPIP-A170102698

Advertisement Date:	04 August 2023	Validity:	120 days
Closing Date:	07 September 2023	Closing time:	11:h00am

The Department of Forestry, Fisheries, and the Environment (DFFE), invites CIDB registered Contractors.

It is estimated that tenderers should have a CIDB contractor grading designation 5

GB or higher.

"Delete or select tender value range select class of construction works" where only one class of construction works is applicable".

Works Description: The project comprises the following main deliverables:

- a) Construction of a New Accommodation facility,
- b) Construction of a New Administration facility,
- c) Construction of a New Guard house,
- d) Construction of New Water/Electrical Services and External works
- e) Construction of new boundary fence

The description of the Works is not necessarily complete and shall not limit the work to be carried out by the Contractor under this Contract.

Only bidders who are responsive to the following responsiveness criteria are eligible to submit tenders. Failure to comply with the criteria stated hereunder, may result in the tender offer being disqualified from further consideration:

☒	Only those tenderers who satisfy the eligibility criteria stated in the Tender Data may submit tenders, and of proof of registration with Construction Industry Development Board is required.
☒	Proof of valid registration with CIDB.
☒	Invitation to bid (SBD 1).
☒	Tender offer must be properly received on the tender closing date and time specified on the invitation, fully completed, and signed in black ink. Use of correction fluid is prohibited; only black ink can be used in the document (All as per Standard Conditions of Tender).
☒	Submission of the Form of Offer and Acceptance.
☒	Submission of the Bidder's Disclosure (SBD 4).
☒	Submission of applicable Resolution by the legal entity, or consortium / joint venture, authorizing a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.
☒	The tenderer will be required to submit a fully priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts) together with the tender document.
☒	Submission of Site Inspection Meeting Certificate as proof of attendance of compulsory site inspection meeting (To provide the contractors with a clear understanding of the scope of works).
☒	Registration on National Treasury's Central Supplier Database (CSD) and Tax Pin from SARS.
☒	B-BBEE level of contribution certificate or affidavit if B-BBEE points are claimed for Construction Sector.
☒	B-BBEE level of contribution certificate or affidavit for intended subcontractors.
☒	A consolidated B-BBEE level of contribution certificate in the case of Joint Ventures.
☒	For service providers to claim for preference points the following must be adhered to: A. Submit a complete and signed SBD 6.1, B. Bidders are requested to submit a valid B-BBEE Status Level Verification Certificate issued by SANAS Accredited Verification Agency; or B-BBEE Certificate issued by CIPC, or Sworn Affidavit commissioned by Commissioner of Oaths or A Consolidated Joint Venture B-BBEE Certificate clearly outlining the % ownership by black people, women and people with disabilities. C. Verification Certificate means a B-BBEE Certificate issued in compliance with the B-BBEE Codes of Good Practice or Sector Codes issued in terms of Section 9 1 of the Broad Based Black Economic Empowerment Act 53 of 2003 as amended by Act 46 of 2013. D. Unincorporated Joint Ventures are required to submit a consolidated verification certificate
☒	Submission of the schedule of Tender's Past and Current Projects
☒	Corrections made in the document should be initialed by the authorized person (as stated in the Standard

	Condition of Tender attached in this tender document).
☒	Certified copies of the Founding Statement – CK1
☒	Certificate of Incorporation – CM1
☒	Valid COIDA or FMA certificate issued by the Department of Labour
☒	Completion of Form Q for completed projects
☒	CV's and copies of qualifications and Registrations for Project Staff as per Form R
☒	Bank Letter confirming financial capacity
☒	Completed and signed Consent Form
NB: DFFE RESERVES THE RIGHT TO PERFORM DUE DILIGENCE AND VERIFICATION ON ALL SUBMITTED DOCUMENTS AND INFORMATION BY BIDDERS	

Bidder must comply with the Mandatory Requirements criteria for the Preferential Procurement listed below:

MANDATORY REQUIREMENTS

Does mandatory requirement apply for this bid?

YES

The following mandatory requirement will apply and all bids that do not meet mandatory requirement will be disqualified, and not be evaluated further.

The compulsory Pre-tender Site Inspection Meeting will be held as follows:

Site 1 - Venue: MP Bushbuckridge Swile Mavokweni Project Site
(-24.786734541988878 , 31.26708984375

Date: 18 August 2023

Starting time: 11:00am

ITEM NO.	MANDATORY REQUIREMENTS
1.	Main contractor must have a CIDB contractor grading designation of 5GB or higher. Attach proof
2.	Attendance of a Compulsory Pre-tender Site Inspection Meeting

It is recommended for the Bidder to consider the Local Content as a Special Condition for Procurement Preferential below:

SPECIAL CONDITION

ITEM NO.	SPECIAL CONDITION
1.	Compliance to Local Production and Content requirements as per SBD 6.2 and Annexure C, D & E

Functional Evaluation Criterion Summary

The maximum points allocation per criterion is summarised in the following table:

Minimum functionality score to qualify for further evaluation:	70 Points
Functionality criteria:	Weighting factor:
RELEVANT WORK EXPERIENCE ON PREVIOUS COMPLETED PROJECTS OF A SIMILAR NATURE, SCOPE /OR COMPLEXITY AND VALUE	30
REFERENCES FROM CLIENTS/CONSULTANTS FOR COMPLETED PROJECTS OF SIMILAR IN NATURE, SCOPE, AND VALUE	20
FINANCIAL CAPACITY	10
COMPETENCY OF THE SITE AGENT	20
COMPETENCY OF THE GENERAL FOREMAN	10
COMPETENCY OF THE HEALTH SAFETY OFFICER	10
TOTAL FUNCTIONALITY SCORE	100 Points
Bidders are requested to provide evidence of complying with these Functional Criteria by completing the relevant forms in the bid document (Forms) as well supplying completion certificates for completed projects as proof. Failure to supply completion certificates as required will mean that the project will not be contributing towards experience of the company and bidders will lose points on this criterion, under completed projects.	
FUNCTIONALITY EVALUATION MATRIX Bidder's Company Experience, Current Resources and Current Expertise will be evaluated as per the matrix below. The following values / indicators will be applicable when evaluating functionality:	

Project Name: MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE				
No	Criteria	Evaluation Indicators		Applicable Value
1	RELEVANT CONSTRUCTION WORK EXPERIENCE ON PREVIOUS CONTRACTS OF A SIMILAR NATURE, SCOPE /OR COMPLEXITY AND VALUE			30
	Provide a descriptive list of all completed projects of similar nature, scope and value to this tender for the past 10 years. Attach Final Completion Certificate indicating: Name of Client, Contact number, Contractual commencement date and completion date. In addition, please ensure that the completed project listed, will also be included in the "Schedule of Tenderer's Current and Completed projects" form, that is attached as a returning document in this bid.	1 x completed construction project at R1 500 000 or higher value of this project with duly signed completion certificate		(1)
		2 x completed construction projects at R1 500 000 each or higher value of this project with duly signed completion certificate		(2)
		3 x completed construction projects at R1 500 000 each or higher value of this project with duly signed completion certificate		(3)
		4 x completed construction projects at R1 500 000 each or higher value of this project with duly signed completion certificate		(4)
		5 x completed or more construction projects at R1 500 000 each or higher value of this project with duly signed completion certificate		(5)
Portfolio of projects: Please provide documentation to support, i.e., project description; project value and services rendered for the projects listed below:				
	Name of project	Client	Short Description of project	Value of Project
1				
2				
3				
4				
5				
6				
7				
8				
9				

10				
No	Criteria	Evaluation Indicators	Applicable Value	
2.	REFERENCE LETTERS FROM THE BIDDER'S CLIENTS FOR THE COMPLETED PROJECTS OF SIMILAR IN NATURE, SCOPE, AND VALUE		20	
	Please provide signed reference letters from clients confirming your company's involvement in the projects listed in item 1 above, and additional projects of similar nature. Attach positive reference letters indicating: Name of client, contact number, Contract sum, Contractual commencement date and completion date and the role played by the bidder in the project. NB: Positive reference letter(s) indicated corresponding with the Final Completion Certificate(s) provided above will be utilized to verify and evaluate the value in criteria 1	1 x Positive reference letter from the client for the completed construction projects	(1)	
		2 x Positive reference letter from the clients for the completed construction projects.	(2)	
		3 x Positive reference letter from the clients for the completed construction projects.	(3)	
		4 x Positive reference letter from the clients for the completed construction projects.	(4)	
		5 or more positive reference letter from the clients for the completed construction projects.	(5)	
	Name of Company	Value of Project as measured for final account	Letter attached	
			YES	NO
1				
2				
3				
4				
5				
6				
7				

No	Criteria	Evaluation Indicators		Applicable Value
3.	FINANCIAL CAPACITY			10
	Provide valid Bank rating letter on the bank's letterhead from the bidder's Banking Institution stating A, B, C, D and E bank code /rating, not older than 6 months from closing of the bid.	Credit rating/code of E		(1)
		Credit rating/code of D		(2)
		Credit rating/code of C		(3)
		Credit rating/code of B		(4)
		Credit Rating/code of A		(5)
No	Name of Bank	Contact Person	Contact Number	Date of letter
1				
2				
3				
4				
5				
6				
No	Criteria	Evaluation Indicators		Applicable Value
4.	COMPETENCE OF SITE AGENT			20
	Competence of Site Agent CV and copies of relevant Built Environment qualifications coupled with relevant construction experience to be submitted where the average number of years' experience will be considered when awarding the points.	Built Environment Qualification coupled with <u>4</u> years relevant construction experience, CV included with relevant qualification(s)		(1)
		Built Environment Qualification coupled with <u>5</u> years relevant construction experience, CV included with relevant qualification(s)		(2)
		Built Environment Qualification coupled with <u>6</u> years relevant construction experience, CV included with relevant qualification(s)		(3)
		Built Environment Qualification coupled with <u>7</u> years relevant construction experience, CV included with relevant qualification(s)		(4)
		Built Environment Qualification coupled with <u>8</u> years or more relevant construction experience, CV included with relevant qualification(s)		(5)

No	Criteria	Evaluation Indicators		Evaluation Indicators	
5.	COMPETENCE OF THE GENERAL FOREMAN			10	
	Competence of the General Foreman, CV and copies of relevant construction qualifications coupled with relevant construction experience to be submitted where the average number of years' experience of the key personnel will be considered when awarding the points.	4 years relevant construction experience, CV included with relevant qualification(s)		(1)	
		5 years relevant construction experience, CV included with relevant qualification(s)		(2)	
		6 years relevant construction experience, CV included with relevant qualification(s)		(3)	
		7 years relevant construction experience, CV included with relevant qualification(s)		(4)	
		8 years or more relevant construction experience, CV included with relevant qualification(s)		(5)	
No	Name of the Key Person	Name of the Qualification(s)	Portfolio/Position	CVs and Qualifications attached	
				YES	NO
1					
2					
No	Criteria	Evaluation Indicators		Applicable Value	
6.	COMPETENCE OF THE OCCUPATIONAL HEALTH AND SAFETY (OHS) OFFICER			10	
	Competence of OHS Officer. CV and copies of relevant Occupational Health and Safety qualification(s) (SAMTRAC/NOSA/ Formal Tertiary Qualification) coupled with relevant OHS experience within the construction industry where the average number of years' experience will be considered when awarding the points.	4 years relevant OHS experience within the construction industry, CV included with relevant qualification(s)		(1)	
		5 years relevant OHS experience within the construction industry, CV included with relevant qualification(s)		(2)	
		6 years relevant OHS experience within the construction industry, CV included with relevant qualification(s)		(3)	
		7 years relevant OHS experience within the construction industry, CV included with relevant qualification(s)		(4)	
		8 years or more, relevant OHS experience within the construction industry, CV included with relevant qualification(s)		(5)	

No	Name of the Key Person	Name of the Qualification(s)	Portfolio/Position	CVs and Qualifications attached	
				YES	NO
1					
2					
3					
4					
5					
TOTAL FUNCTIONALITY SCORE				100	
MINIMUM QUALIFYING SCORE FOR FUNCTIONALITY				70	

(Weighting will be multiplied by the scores allocated during the evaluation process to arrive at the total functionality points)

Preference Point and Price Calculation

The following preference point system will be followed to advance the categories of persons:

- a) For contracts with a Rand value up to R50 000 000, a maximum of 20 points may be allocated for specific goals as contemplated above, provided that the lowest acceptable tender scores 80 points for price.
 - i. The applicable formula to be used is $Ps=80[1-(Pt-Pmin)/Pmin]$. Provided:
 - Ps = Points scored for price of tender under consideration;
 - Pt = Price of tender under consideration; and
 - Pmin = Price of the lowest applicable tender.
 - ii. A total of 20 points may be awarded to a tenderer as follows:
 - 20 points: if the Bidder has more than 50% (fifty percent) by Black people, Women, or people with disabilities
 - 0 Points: for 50% and below ownership by stipulated categories of persons
- b) A contract may be awarded to a tenderer that did not score the highest points only in accordance with section 2(1)(f) of the PPPFA.
- c) Bid will be awarded to a bidder with the highest points on price and Preference Points on condition that they have met all phases of the evaluation criteria and complied with the tender requirements set out in the tender document.
- d) The DFFE reserves the right to negotiate prices that are not deemed market related and not to award the tender to the bidder with the lowest price.
- e) Preference point system applicable for this bid is: 80/20

- f) A total of **20** points will be allocated for either of the specific goals.

SPECIFIC GOALS	80/20
>50% ownership by Black people, Or	20
>50% ownership by Women, Or	20
>50% ownership by people with Disability	20

For bidders to claim preference points, the following must be adhered to:

- F.1) Submit a complete and signed SBD 6.1,
- F.2) Bidders are requested to submit a valid B-BBEE Status Level Verification Certificate issued by SANAS, or Accredited Verification Agency; or B-BBEE Certificate issued by CIPC, or Sworn Affidavit commissioned by Commissioner of Oaths together with their bids. **Issued in terms of the amended Construction Sector Code**
- F.3) If the application is made by a Joint Venture or Partnership, the accreditation credentials in name of joined entities should be submitted. Members in the joint venture must meet the requirement of the proposal. **Issued in terms of the amended Construction Sector Code**
- F.4) Submit a CSD report.

Collection of tender documents

- ☒ Bid documents are available for free download on e-Tender portal www.etenders.gov.za and cidb i-tender.

Deposit / return of tender documents

Telegraphic, telephonic, telex, facsimile, electronic and / or late tenders will not be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

All tenders must be completed in black ink and submitted on the official forms (forms not to be re-typed).

Tender documents may be posted to: The Director-General Department of Forestry, Fisheries, and the Environment Private Bag X 447 Pretoria 0001 Attention: Procurement section: Tel: 012-399 9073 POSTED TENDERS MUST BE RECEIVED PRIOR CLOSING DATE: <u>07 September 2023</u> AND TIME: 11:00AM BY THE DEPARTMENT	OR	Deposited in the tender box at: Environmental House Ground Floor of the Department of Forestry, Fisheries and Environment 473 Steve Biko Road Arcadia, Pretoria 0083 Ground floor (At the Reception)
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T1.2 TENDER DATA

Clause number	Tender Data
	The conditions of tender are the Standard Conditions of Tender (as published / amended by CIDB contained in Annex C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts (August 2019) as published in Government Gazette No 42622, Board Notice 423 of 2019 of 08 August 2019. (See www.cidb.org.za). The standard conditions of tender for procurements make several references to the tender data for details that apply specifically to this tender. The tender data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of tender data given below is cross-referenced to the clause in the standard conditions of tender to which it mainly applies.
C.1.1	The employer is the Department of Forestry, Fisheries, and the Environment
C.1.2	For this contract, the three-volume approach is adopted: This procurement document has been formatted and compiled under the headings as contained in the CIDB's "Standard for Uniformity in Construction Procurement." Volume 1: Tendering procedures T1.1 - Notice and invitation to tender T1.2 - Tender data Volume 2: Returnable documents

	T2.1 - List of returnable documents C1.1 - Form of offer and acceptance T2.2 - Returnable schedules Volume 3: Contract Part C1 - Agreements and Contract data C1.1 – Form of offer and acceptance C1.2 – Contract data C1.3 – Construction form of guarantee Part C2 - Pricing Data C2.1 – Pricing Assumptions C2.2 – Bills of Quantities / Lump sum document Part C3 - Scope of Works C3.1 – Description of the works C3.2 – Construction Part C4 - Site Information
C.1.4	The Employer's agent for the purpose of this tender is deemed to be the authorised and designated representative of the Employer: Name: (SCM Representative) Address: DFFE Head Office Reception 473 Steve Biko Road, Arcadia, 0083. E-mail: : Tenders@dffe.gov.za
C.1.5	Cancellation and Re-Invitation of Tenders
C.1.5.1	An employer may, prior to the award of the tender, cancel a tender if- a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation. b) funds are no longer available to cover the total envisaged expenditure; or c) no acceptable tenders are received. d) there is a material irregularity in the tender process.
C.1.5.2	The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised
C.1.5.3	An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.
C.1.6	Procurement procedures
C.1.6.1	Unless otherwise stated in the tender data, a contract will, subject to C.3 be concluded with the tenderer who in terms of C.3 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

C.1.6.2	Competitive negotiation procedure
C.1.6.2.1	Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3 the employer shall announce only the names of the tenderers who make a submission. The requirements of C.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.
C.1.6.2.2	All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of C.2 the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.
C.1.6.2.3	At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.
C.1.6.2.4	The contract shall be awarded in accordance with the provisions of C.3 after tenderers have been requested to submit their best and final offer.
C.2	Tenderer's obligations
C.2.1	Eligibility Only those tenderers who satisfy the following criteria are eligible to submit tenders: a) CIDB registration Registered with the CIDB, at close of tender, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations, as per amended notice no. 357 of 2019, for a 5GB or higher class of construction work. Tenderers whose CIDB registration expires within the tender validity period, need to demonstrate that there is a reasonable chance of being registered in the appropriate grading designation during the tender evaluation period, by submitting a copy of their timely application for CIDB registration, with their tender submission. Tenders received from such tenderers who are not capable of being registered in the required contractor designation, within 10 working days after either expiry of their registration or after being requested to provide proof of registration, will be considered non-responsive. Note that in terms of the Construction Industry Development Board Act, 2000 (Act No. 38 of 2000) a registered contractor must apply for renewal of registration three months before the existing registration expires.

	Tenderers registered as potentially emerging enterprises but with a CIDB contractor grading designation lower than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations, as per amended notice no. 357 of 2019, are not eligible to have their tenders evaluated. Joint Ventures are eligible to submit tenders provided that: - every member of the joint venture is registered with the CIDB; - the lead partner has a contractor grading designation of not lower than one level below the required grading designation in the class of construction works under consideration and possesses the required recognition status, and - the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 5GB or higher class of construction work or a value determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations, as per amended notice no. 357 of 2019.
C.2.1.1	Only those bidders who satisfy the following eligibility criteria are eligible to submit bids: - Availability of resources - Availability of skills to manage and perform the contract – including staff which satisfies EPWP requirements (see further requirements under C.3) - Previous experience on contracts of a similar value and nature - A letter on the companies' letterhead stating that the contractor has sufficient capacity to execute the project
C.2.2	Eligibility b) Risk to Employer Provisions applicable to Evaluation Method 1 and 2: Tender offers will be evaluated by an Evaluation Committee based on the technical and commercial risk criteria listed hereunder. Each criterion carries the same weight / importance and will be evaluated individually based on reports presented to the Evaluation Committee by the Project Manager / Professional Team appointed on the project. For the evaluation reports to be prepared by the Professional Team, the Tenderer is obliged to provide comprehensive information on the form for the (Schedule of current and completed projects). Failure to complete the said form will cause the tender to be declared non-responsive and removed from any further consideration. The Employer reserves the right to request additional information over, and above that which is provided by the Tenderer on said form. The information must be provided by the Tenderer within the stipulated time as determined by the Project Manager, failing which the tender offer will <i>mutatis mutandis</i> be declared non-responsive.

	Technical risks: a) Criterion 1: Quality of current and previous work Quality of current and previous work performed by the Tenderer in the class of construction work stated above as per the evaluation report prepared by the Professional Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form for the (Schedule of current and completed projects). b) Criterion 2: Contractual commitment Adherence to contractual commitments, demonstrated by the Tenderer in the performance on current and previous work, evaluated in terms of: 1) the level of progress on current projects in relation to the project Programme or, if such is not available/applicable, to the contractual construction period in general. 2) the degree to which previous projects have been completed within the contractual completion periods and/or extensions thereto; and 3) general contract administration, e.g., compliance with contractual aspects such as laws and regulations, insurances, security, written contract instructions, subcontractors, time delay claims, etc. as can generally be expected in standard/normal conditions of contract. c) Criterion 3: Commercial risks The level to which agreement with the Tenderer is reached in respect of the adjustment of rates which are imbalanced or unreasonable and to eliminate errors or discrepancies, without changing the tendered total amount / final offer, over and above the correction of arithmetical errors as provided for in C.2 and C.3
C.2.2.1	The tenderer must be notified of all arithmetic errors, omissions and/or rate imbalances that are identified in the tender offer and request the tenderer to, within a stipulated time, accept the total of the rates / prices as corrected by the Department professional team without changing the tender amount / final offer.
C.2.2.2	Cost of Tender The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. The Employer will not compensate the tenderer for any costs incurred in attending the meetings or making any submissions in the office of the Employer.
C.2.3	Check documents Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.
C.2.4	Confidentiality and copyright of documents Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.
C.2.6	Acknowledge addenda

	Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary, apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.
C.2.7	Seek clarification Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the tender data.
C.2.8	Insurance Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.
C.2.9	Pricing the tender offer
C.2.9.3	This contract shall not be subject to Contract Price Adjustments, foreign fluctuations, etc and all rates and prices shall remain fixed, final and binding for the full duration of this contract.
C.2.11	Alterations to documents Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations (refer to the standard condition of Tender).
C.2.12	Alternative tender offers No alternative tender offers will be considered
C.2.13	Submitting a tender offer
C.2.13.1	Submit one tender offer only as a single tendering entity to provide the whole of the works identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.
C.2.13.2	Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.
C.2.13.3	Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.
C.2.13.4	Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.
C.2.13.5	Seal the original tender offer marked as "ORIGINAL" . The package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.6	Bidders are requested to deliver the submission in one envelope. The Employer's address for delivery of tender offers and identification details to be shown on the tender offer package is: Title to appear on envelope one (1): 1. CONTRACT NO.:DFFE T017(23-24)... (TECHNICAL PROPOSALS) The appointment of a contractor for the construction of the <u>MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE</u>, on behalf of the Department of Forestry, Fisheries, and the Environment. This envelope must contain the returnable SCM Documentations, Relevant Annexures and Appendixes. This envelope must contain printed copies of all the pages in this document, duly completed and signed, inclusive of the pricing schedules (bill of quantities), which must be submitted in one envelope as detailed below. For identification purposes, bidders are requested to ensure that the envelopes containing the company's bids are clearly marked and are easily identifiable by the company's logo or name. Location of tender box: Ground Floor of the Department of Forestry, Fisheries and Environment Physical address: Location of tender box: DFFE Head Office Reception Physical address: 473 Steve Biko Road, Arcadia, 0083 Identification details: TENDER BOX
C.2.13.7	Seal the original tender offer in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.
C.2.13.8	Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
C.2.13.9	Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer.
C.2.14	Information and data to be completed in all respects Accept that tender offers, which do not provide all the data or information requested completely and, in the form, required, may be regarded by the employer as non-responsive.
C.2.15	Closing time The closing time for submission of tender offers is <u>11h00am</u>. The Department of Forestry, Fisheries and the Environment is not obliged to accept the lowest or any tender and reserves the right to accept any tender in whole or in part.
C.2.16	The tender offer validity period is 120 days from the closing date.
C.2.17	Clarification of tender offer after submission Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.
C.2.18.2	The Tenderer shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements.

C.2.19	Inspections, tests, and analysis Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.
C.2.20	Submit securities, bonds, and policies If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies, and certificates of insurance required in terms of the conditions of contract identified in the contract data.
	Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.
C.2.23	The Tenderer is required to submit his/her tender with all documents and schedules listed under T2.1 and T2.2.
C.2.24	Canvassing and obtaining of additional information by tenderers The Tenderer shall not make any attempt either directly or indirectly to canvass any of the Employer's officials or the Employer's agent in respect of his tender, after the opening of the tenders but prior to the Employer arriving at a decision thereon. The Tenderer shall not make any attempt to obtain particulars of any relevant information, other than that disclosed at the opening of tenders.
C.2.25	Prohibitions on awards to persons in service of the state The Employer is prohibited to award a tender to a person - - who is in the service of the state; or - if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or - a person who is an advisor or consultant contracted with the Department. In the service of the state means to be - - a member of:- - any municipal council; - any provincial legislature; or - the National Assembly or the National Council of Provinces; - a member of the board of directors of any municipal entity; - an official of any municipality or municipal entity; - an employee of any national or provincial department; - provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999); - a member of the accounting authority of any national or provincial public entity; or - An employee of Parliament or a provincial legislature. In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.

C.3	The employer's undertakings
C.3.1	Respond to requests from the tenderer The Employer will respond to requests for clarification received up to five (5) working days before the tender closing time.
C.3.2	Issue Addenda Addenda will be issued until five (5) working days before the tender closing time.
C.3.5	The time and location for opening of the tender offers are: <u>30 August 2023 at 11h00 am</u> at the Department of Forestry, Fisheries and the Environment : Head Office Reception Physical address: 473 Steve Biko Road, Arcadia, 0083
C.3.9	Arithmetical errors, omissions, and discrepancies
C.3.9.1	Check the highest ranked tenders or tenderers with the highest number of tender evaluation points after the evaluation of tender offers in accordance with C.3 for: a) the gross misplacement of the decimal point in any unit rate; b) omissions made in completing the pricing schedule or bills of quantities; or c) arithmetic errors in: i) line-item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or the summation of the prices.
C.3.9.2	The arithmetical errors shall be corrected in the following manner: a) Where there is a discrepancy between the amounts in words and amounts in figures, the amount in words shall govern. b) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected. c) Where there is an error in the total of the prices either as a result of other Corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices. The Tender Offer will be rejected if the tenderer does not correct or accept the Correction of the arithmetical error in the manner described above.
C.3.11	Functionality, Price and Preference The purpose of the evaluation is to ensure and promote compliance with the Constitution, specifically Section 217, which provides that when organs of state contract for goods or services, they must do so in accordance with a system which is fair, equitable, transparent, competitive and cost-effective. The evaluation of bids will be undertaken in 4 stages .
C.3.12	Stage 1: Initial screening (pre-compliance) on Supply Chain Management returnable requirements

	During this phase bid documents will be reviewed to determine the compliance with Standard Bidding Documents (SBD), SCM returnable, tax matters and contractor had registered on Central Data Base (CSD). All returnable documents must be submitted with the bid documents at the closing date and time of the bid. Bids which do not satisfy the compliance criteria will be disqualified and will not be evaluated further on pre-qualification criteria. The bid proposal will be screened for compliance with administrative requirements as indicated below and bidders must circle the correct answer <table border="1" data-bbox="288 510 1453 1133"> <thead> <tr> <th data-bbox="288 510 416 600">Item No.</th> <th data-bbox="416 510 1062 600">Administrative Requirements</th> <th data-bbox="1062 510 1453 600">Check/Compliance</th> </tr> </thead> <tbody> <tr> <td data-bbox="288 600 416 651">1</td> <td data-bbox="416 600 1062 651">Master Bid Document</td> <td data-bbox="1062 600 1453 651">provided and bound</td> </tr> <tr> <td data-bbox="288 651 416 752">2</td> <td data-bbox="416 651 1062 752">Electronic copy (USB/DISK)</td> <td data-bbox="1062 651 1453 752">Provided and similar to Master Bid Document</td> </tr> <tr> <td data-bbox="288 752 416 804">3</td> <td data-bbox="416 752 1062 804">SCM - SBD 1 - Invitation to Bid</td> <td data-bbox="1062 752 1453 804">Completed and signed</td> </tr> <tr> <td data-bbox="288 804 416 855">4</td> <td data-bbox="416 804 1062 855">SCM - SBD 4 - Bidder's Disclosure</td> <td data-bbox="1062 804 1453 855">Completed and signed</td> </tr> <tr> <td data-bbox="288 855 416 978">5</td> <td data-bbox="416 855 1062 978">SCM - SBD 6.1 - Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022</td> <td data-bbox="1062 855 1453 978">Completed and signed</td> </tr> <tr> <td data-bbox="288 978 416 1133">6</td> <td data-bbox="416 978 1062 1133">In case of bids where Consortia / Joint Ventures, Consortia/Joint Venture agreement signed by both parties must be submitted with bid proposal</td> <td data-bbox="1062 978 1453 1133">JV agreement completed and signed, if applicable</td> </tr> </tbody> </table>		Item No.	Administrative Requirements	Check/Compliance	1	Master Bid Document	provided and bound	2	Electronic copy (USB/DISK)	Provided and similar to Master Bid Document	3	SCM - SBD 1 - Invitation to Bid	Completed and signed	4	SCM - SBD 4 - Bidder's Disclosure	Completed and signed	5	SCM - SBD 6.1 - Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022	Completed and signed	6	In case of bids where Consortia / Joint Ventures, Consortia/Joint Venture agreement signed by both parties must be submitted with bid proposal	JV agreement completed and signed, if applicable
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	Stage 2: Mandatory Requirements The following mandatory requirements will apply and all bids that do not meet mandatory requirements will be disqualified and will not be evaluated further on functionality criteria. <table border="1" data-bbox="288 1267 1453 1458"> <thead> <tr> <th data-bbox="288 1267 1329 1321">Criteria</th> <th data-bbox="1329 1267 1453 1321">Yes/No</th> </tr> </thead> <tbody> <tr> <td data-bbox="288 1321 1329 1373">Main contractor must have a CIDB contractor grading designation of 5 GB or higher</td> <td data-bbox="1329 1321 1453 1373">Yes</td> </tr> <tr> <td data-bbox="288 1373 1329 1458">A contractor must attend a compulsory Pre-tender Site Inspection Meeting on the date and time published on the tender document</td> <td data-bbox="1329 1373 1453 1458">Yes</td> </tr> </tbody> </table>		Criteria	Yes/No	Main contractor must have a CIDB contractor grading designation of 5 GB or higher	Yes	A contractor must attend a compulsory Pre-tender Site Inspection Meeting on the date and time published on the tender document	Yes															
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	Stage 3: Functional Evaluation The Functional Evaluation will be carried out to assess the Bidder's suitability to undertake the project, the Bidder's Company Experience, Current Resource, Current Expertise and project cost will be evaluated. Bidders who fail to obtain a minimum 70 Points for functionality under Stage 3 will not be considered further. DFFE shall not be held responsible for incorrect judgement misled by unclear written letters/words on the forms below, to be completed by the Bidder(s). DO NOT COMPLETE THE FORMS BY WRITING "SEE ATTACHED", Bidder(s) who refer to attachment WILL BE SCORED ZERO. Attachment shall strictly be made where specified and at the correct location, any attachment other than what has been requested by DFFE, shall be completely ignored, and scored zero, where points allocation is required. When completing Forms, Bidder(s) may make copies of the original Forms, should the provided forms be inadequate for their completion of the information required. Forms must be hand completed in black ink, no																						

computer regenerated forms will be accepted. Forms must be completed in full, forms not completed in full shall be rejected by scoring zero.

Stage 4: Price and Preference Points

Price and Preference Points Calculation

The following preference point system will be followed to advance the categories of persons:

- a) For contracts with a Rand value up to R50 000 000, a maximum of 20 points may be allocated for specific goals as contemplated above, provided that the lowest acceptable tender scores 80 points for price.

The applicable formula to be used is $Ps=80[1-(Pt-Pmin)/Pmin]$. Provided:

Ps = Points scored for price of tender under consideration.

Pt = Price of tender under consideration; and

Pmin = Price of the lowest applicable tender.

A total of 20 points may be awarded to a tenderer as follows:

20 points: if the Bidder has more than 50% (fifty percent) by Black people, Women, or people with disabilities

0 Points: for 50% and below ownership by stipulated categories of persons

- b) A contract may be awarded to a tenderer that did not score the highest points only in accordance with section 2(1)(f) of the PPPFA.
- c) Bid will be awarded to a bidder with the highest points on price and Preference Points on condition that they have met all phases of the evaluation criteria and complied with the tender requirements set out in the tender document.
- d) The DFFE reserves the right to negotiate prices that are not deemed market related and not to award the tender to the bidder with the lowest price.
- e) Preference point system applicable for this bid is: **80/20**
- f) A total of **20** points will be allocated for either of the specific goals

SPECIFIC GOALS	80/20
>50% ownership by Black people, Or	20
>50% ownership by Women, Or	20
>50% ownership by people with Disability	20

For service providers to claim for preference points the following must be adhered to:

- a) Submit a complete and signed SBD 6.1,
- b) Bidders are requested to submit a valid B-BBEE Status Level Verification Certificate issued by SANAS Accredited Verification Agency; or B-BBEE Certificate issued by CIPC, or Sworn Affidavit commissioned by Commissioner of Oaths or A Consolidated Joint Venture B-BBEE Certificate clearly

	outlining the % ownership by black people, women and people with disabilities. <u>Issued in terms of the amended Construction Sector Code.</u> c) Verification Certificate means a B-BBEE Certificate issued in compliance with the B-BBEE Codes of Good Practice or Sector Codes issued in terms of Section 9 1 of the Broad Based Black Economic Empowerment Act 53 of 2003 as amended by Act 46 of 2013. <u>Issued in terms of the amended Construction Sector Code.</u> d) Unincorporated Joint Ventures are required to submit a consolidated verification certificate
C.3.13.1	Tender offers will only be accepted on condition that: a) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation; b) the bidder or any of its directors is not listed in the Register of Bid Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; c) the bidder has not: i. abused the Employer's Supply Chain Management System; or ii. failed to perform on any previous contract and has been given a written notice to this effect. d) Has completed the Returnables SBD4, 6.1, forms and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process Has submitted the documentation listed in T2.21 and T2.22
C.3.18	The number of paper copies of the signed contract to be provided by the employer is ONE.

FORM A: SCHEDULE OF BIDDER'S EXPERIENCE IN CONSTRUCTION PROJECTS

DFFE shall not be held responsible for incorrect judgement misled by unclear written letters/words on the forms below, to be completed by the Bidder(s). **DO NOT COMPLETE THE FORMS BY WRITING "SEE ATTACHED"**, Bidder(s) who refer to attachment will be scored zero. Attachment shall strictly be made where specified and at the correct location, any attachment other than what has been requested by DFFE, shall be completely ignored, and scored zero, where points allocation is required.

When completing Forms, Bidder(s) may make copies of the original Forms, should the provided forms be inadequate for their completion of the information required. Forms must be hand completed in black ink; no computer regenerated forms will be accepted. Forms must be completed in full, forms not completed in full shall be rejected by scoring zero.

- i) In order to qualify for maximum points, the bidder's Contractor must have completed construction of ***more than five (5) in related projects with a minimum value of R1 500 000, excluding VAT over the last 10 years.***
- ii) Main contractor must have a CIDB contractor grading designation of **5GB** or higher.

FORM A: COMPLETED PROJECTS

Name of the Bidder		
NUMBER OF YEARS' EXPERIENCE IN THE BUILT ENVIRONMENT OR CONSTRUCTION		
PROJECT No.	1	2
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (Name, Tel/ Cell no and Fax no)		
Clients Contact Person (email address)		
Consulting Engineer (Name, Tel/ Cell no and Fax no)		
Appointment Value (at least R1 500 000)		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes / No)		
Completion certificate attached (Yes or No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Main Contractor (Yes / No)		

PROJECT No.	3	4
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (Name, Tel/ Cell no and Fax no)		
Clients Contact Person (email address)		
Consulting Engineer (Name, Tel/ Cell no and Fax no)		
Appointment Value (at least R1 5000 000)		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes / No)		
Completion certificate attached (Yes or No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Main Contractor (Yes / No)		

PROJECT No.	5	6
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (Name, Tel/ Cell no and Fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value (at least R1 500 000)		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Completion certificate attached (Yes or No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Main Contractor (Yes/No)		

PROJECT No.	7	8
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (Name, Tel/ Cell no and Fax no)		
Clients Contact Person (email address)		
Consulting Engineer (Name, Tel/ Cell no and Fax no)		
Appointment Value (at least R1 500 000)		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes / No)		
Completion certificate attached (Yes or No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Main Contractor (Yes / No)		

PROJECT No.	9	10
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (Name, Tel/ Cell no and Fax no)		
Clients Contact Person (email address)		
Consulting Engineer (Name, Tel/ Cell no and Fax no)		
Appointment Value (at least R1 500 000)		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes / No)		
Completion certificate attached (Yes or No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If completed) (months/year)		
Main Contractor (Yes / No)		

FORM B: EXPERIENCE OF NOMINATED PERSONNEL

Bidders must have experienced staff, who have previously worked on similar projects. The information will be verified with the references provided. Any information found to be untruthful will lead to the immediate disqualification of the Service Provider. The bidder must have in its proposal a: -

- i) Site Agent with more than 10 years' experience in design and construction management.
- ii) General Foreman with more 5 years' experience in contracts management of construction, in order to score maximum points.
- iii) OHS Officer with more than 5 years' experience in site safety management of construction projects.

Bidders are required to complete the forms attached as evidence and also submit detailed CVs as well as the qualifications and professional registrations of the above-mentioned personnel.

NB:

ONE INDIVIDUAL MAY NOT BE NOMINATED FOR MORE THAN ONE ROLE OR POSITION FOR THIS BID. IF AN INDIVIDUAL IS NOMINATED FOR MORE THAN ONE ROLE THEN THE POINTS WILL ONLY BE ALLOCATED FOR ONE OF THE ROLES AND THE BIDDER WILL SCORE ZERO ON ANY OTHER ROLE.

It is **mandatory** to complete all fields in Form B for each project listed as this information will be deemed to be material to the award of the Contract. Failure to complete all fields for the project listed may lead to the bidder losing points during functional evaluation under the categories. Should the bidder choose to present the required information in the attachments, then the bidder must **COMPLETE FORM (B) FIRST and then** make a clear reference to such attachments so that they may be considered; and such attachments must provide the same information requested for in Form B.

FORMS TO BE COMPLETED BY THE BIDDERS

- **Form B (I) General Foreman**
- **Form B (II) Site Agent**
- **Form B (III) OHS Agent**

FORM B (i) GENERAL FOREMAN**General Foreman in the Company**

Post	Name	Qualifications (Degree/Diploma in the Built Environment)	Experience in years
General Foreman			

Bidders are required to submit as attachments after this page, e.g. qualifications.

Signature _____

Date _____

Name _____

Capacity _____

Bidder _____

General Foreman

The Bidder must note that repeating the same year under different project will still be considered as one year's experience.

General Foreman		
Name and Surname		
Experience in years' experience as General Foreman		
EXPERIENCE AS GENERAL FOREMAN		
YEAR of Experience as General Foreman	Year 1 (.....) (e.g.2019 etc.)	Year 2 (.....) (e.g.2018).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS GENERAL FOREMAN		
YEAR of Experience as General Foreman	Year 3 (.....) (e.g.2019 etc.)	Year 4 (.....) (e.g.2018).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS GENERAL FOREMAN		
YEAR of Experience as General Foreman	Year 5 (.....) (e.g.2019 etc.)	Year 6 (.....) (e.g.2018).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS GENERAL FOREMAN		
YEAR of Experience as General Foreman	Year 7 (.....) (e.g.2019 etc.)	Year 8 (.....) (e.g.2018).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS GENERAL FOREMAN		
YEAR of Experience as General Foreman	Year 9 (.....) (e.g.2019 etc.)	Year 10 (.....) (e.g.2018).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

Signature _____

Date _____

Name _____

Capacity _____

Bidder _____

FORM B (ii) SITE AGENT

Post	Name	Experience in years
Site Agent		

Bidders are required to submit as attachments after this page, the CV and any other information they may consider relevant.

Signature _____

Date _____

Name _____

Capacity _____

Bidder _____

Site Agent

The Bidder must note that repeating the same year under different project will still be considered as one year's experience.

SITE AGENT		
Name and Surname		
Experience in years' experience		
EXPERIENCE AS SITE AGENT		
YEAR of Experience as Site Agent	Year 1 (.....) (e.g.2019 etc.)	Year 2 (.....) (e.g.2018).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS SITE AGENT		
YEAR of Experience as Site Agent	Year 3 (.....) (e.g.2017 etc.)	Year 4 (.....) (e.g.2016).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS SITE AGENT		
YEAR of Experience as Site Agent	Year 5 (.....) (e.g.2015 etc.)	Year 6 (.....) (e.g.2014).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS SITE AGENT		
YEAR of Experience as Site Agent	Year 7 (.....) (e.g.2013 etc.)	Year 8 (.....) (e.g.2012).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS SITE AGENT		
YEAR of Experience as Site Agent	Year 9 (.....) (e.g.2013 etc.)	Year 10 (.....) (e.g.2012).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

Signature _____

Date _____

Name _____

Capacity _____

Bidder _____

FORM B (Ili) OHS Officer

Post	Name	Qualifications in Safety Management	Experience in years
OHS Officer			

Bidders are required to submit as attachments after this page, e.g. the qualifications.

Signature _____

Date _____

Name _____

Capacity _____

Bidder _____

OHS Agent/ Safety Officer

SAFETY OFFICER		
Name and Surname		
Experience in years' experience as Safety Officer		
EXPERIENCE AS SAFETY OFFICER IN SITE MANAGEMENT OF CONSTRUCTION PROJECTS.		
YEAR of Experience as OHS Agent	Year 1 (.....) (e.g.2019 etc.)	Year 2 (.....) (e.g.2018).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS SAFETY OFFICER IN SITE MANAGEMENT OF CONSTRUCTION PROJECTS.		
YEAR of Experience as OHS Agent	Year 3 (.....) (e.g.2017 etc.)	Year 4 (.....) (e.g.2016).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

EXPERIENCE AS SAFETY OFFICER IN SITE MANAGEMENT OF CONSTRUCTION PROJECTS.		
YEAR of Experience as OHS Agent	Year 5 (.....) (e.g.2015 etc.)	Year 6 (.....) (e.g.2014).
Project Name		
Nature of Project		
Client (Responsible for supervision)		
Client Contact person		
Clients Contact Person (name, Tel/Cell no and fax no)		
Clients Contact Person (email address)		
Consulting Engineer (name, Tel no and fax no)		
Appointment Value		
Project Location (Province)		
Project Duration(months)		
Project Commencement Date (months/year)		
Is the Project Completed (Yes/No)		
Estimated Completion Date (If not yet Completed)		
Completion Date (If Completed) (months/year)		
Roles/Responsibilities performed by the Bidder on the project:		

Signature _____

Date _____

Name _____

Capacity _____

Bidder _____

ANNEXURE – C

STANDARD CONDITION OF TENDER

T2.1. LIST OF RETURNABLE DOCUMENTS

Checklist for the Returnable Documents Required for Tender Evaluation Purposes (as stipulated in the table of content above)

T2.2 Returnable Documents required for tender evaluation purposes.

Note: Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

Tender document name	Reference	Returnable document
Form of Offer and Acceptance		☒ Yes ☐ No
Bills of Quantities/Lump Sum Document and Final Summary (in Volume – 3 (C2.1))		☒ Yes ☐ No
Bidders Disclosure	SBD 4	☒ Yes ☐ No
Resolution of Board of Directors		☒ Yes ☐ No
Resolution of Board of Directors to enter into Consortia or Joint Ventures Special Resolution of Consortia or Joint Ventures (<i>if applicable</i>)		☒ Yes ☐ No
Special Resolution of Consortia or Joint Ventures (<i>if applicable</i>)		☒ Yes ☐ No
Functionality Evaluation Criteria		☒ Yes ☐ No
Pre-tender Site Inspection Meeting Certificate		☒ Yes ☐ No
Schedule of Tenderer's Current and Completed Projects		☒ Yes ☐ No
Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022	SBD 6.1	☒ Yes ☐ No
Affidavit		☒ Yes ☐ No

T2.2.1 Returnable documents that will be incorporated into the contract.

Note: Failure to submit the applicable documents may result in the Tenderer having to submit same upon request within a stipulated time, and if not complied with, may result in the tender offer being disqualified from further consideration. [See also the Standard Conditions of Tender]

Tender document name	Reference	Returnable document
Record of Addenda to tender documents) <i>(if applicable)</i>		☒ Yes ☐ No
Credentials of Mechanical / Security Work material and equipment schedules <i>(if applicable)</i>		☒ Yes ☐ No
Credentials of plumbing Contractor		☒ Yes ☐ No
Credentials of Electrical Contractor (s)		☒ Yes ☐ No
Schedule for Imported Materials and Equipment		☒ Yes ☐ No

T2.2.2 Recommended returnable Documents: Other documents that will be incorporated into the Contract (special condition)

Tender document name	Reference	Returnable document
Declaration Certificate for Local Production and Content for Designated Sectors (Annexure C, D, E: Local & Imported Content Declarations).	SBD 6.2	☒ Yes ☐ No

T2.2.3 Additional Information that might be required for tender evaluation purpose.

Legal Status of Tendering Entity: If the Tendering Entity is: ZX	Documentation to be submitted with the tender, or which may be required during the tender evaluation:
a. A close corporation, incorporated prior to 1 May 2011 under the Close Corporations Act, 1984 (Act 69 of 1984, as amended)	Copies of the Founding Statement – CK1
b. A profit company duly registered as a private company. [including a profit company that meets the criteria for a private company, whose Memorandum of Incorporation states that the company is a personal liability company in terms of Section 8(2)(c) of the Companies Act, 2008 (Act 71 of 2008, as amended)].	Copies of: i. Certificate of Incorporation – CM1. ii. Shareholding Certificates of all Shareholders of the company, plus a signed statement of the company's Auditor, certifying each Shareholder's ownership / shareholding percentage relative to the total; and/or iii. Memorandum of Incorporation in the case of a personal liability company.
c. A profit company duly registered as a private company in which any, or all, shares are held by one or more other close corporation(s) or company(ies) duly registered as profit or non-profit company(ies).	Copies of documents referred to in a. and/or b. above in respect of all such close corporation(s) and/or company(ies).
d. A profit company duly registered as a public company.	Copy of Certificate of Incorporation – CM1, and a signed statement of the company's Secretary or Auditor confirming that the company is a public company.
e. A non-profit company, incorporated in terms of Section 10 and Schedule 1 of the Companies Act, 2008 (Act 71 of 2008, as amended).	Copies of: - i the Founding Statement – CK1; and - ii the Memorandum of Incorporation setting out the object of the company, indicating the public benefit, cultural or social activity, or communal or group interest.
f. A natural person, sole proprietor or a Partnership	Copy(ies) of the Identity Document(s) of:

Legal Status of Tendering Entity: If the Tendering Entity is: ZX	Documentation to be submitted with the tender, or which may be required during the tender evaluation:
	i. such natural person/ sole proprietor, or each of the Partners to the Partnership.
g. A Trust	Deed of Trust duly indicating names of the Trustee(s) and Beneficiary (ies) as well as the purpose of the Trust and the mandate of the Trustees.

Additional returnable documents required for tender evaluation purposes.

Note: Failure to submit the applicable documents may result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also the Standard Conditions of Tender]

Tender document name	Reference	Returnable document
Any <u>additional</u> information required to complete a risk assessment		☒ Yes ☐ No

Signed by the Tenderer/Bidder

Name of representative	Signature	Date

C1.1 FORM OF OFFER AND ACCEPTANCE

OFFER

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

MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE

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

By the representative of the Tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Tenderer offers to perform all of the obligations and liabilities of the Contractor under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

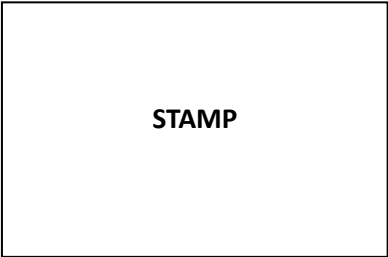
THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

Rand (in words):	
Rand (in figures):	R
The award of the tender may be subjected to further price negotiation with the preferred tenderer(s). The negotiated and agreed price will be considered for acceptance as a firm and final offer.	

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the Tender Data, whereupon the Tenderer becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

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

Company or Close Corporation:	OR	Natural Person or Partnership:
--	----	---



.....

And: Whose Registration Number is:

.....

And: Whose Income Tax Reference Number is:

.....

CSD supplier
number:.....

.....

Whose Identity Number(s) is/are:

.....

Whose Income Tax Reference Number is/are:

.....

CSD supplier
number:.....

AND WHO IS (if applicable):

Trading under the name and style of:

.....

AND WHO IS:

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

SIGNED FOR THE TENDERER:

Name of representative	Signature	Date

WITNESSED BY:

Name of witness	Signature	Date

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

- The official documents ☐
- The official alternative ☐
- Own alternative (only if documentation makes provision therefore) .. ☐

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

SECURITY OFFERED:

ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Tenderer's Offer shall form an agreement, between the Employer and the Tenderer upon the terms and conditions contained in this Agreement and in the, Contract that is the subject of this Agreement.

The terms of the contract, are contained in:

- Part C1 Agreements and Contract Data, (which includes this Agreement)
- Part C2 Pricing Data
- Part C3 Specification
- Part C4 Locality Plan

and Tender drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4. Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules as well as any changes to the terms of the Offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Tenderer shall within two weeks after receiving a letter of acceptance, contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Tenderer (now Contractor) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties

NAME(s): (BLOCK LETTERS)

CAPACITY of authorized agents:

SIGNATURE(s) of authorized agents:

SIGNED at

on this

day of

WITNESSE(s): (Full name – BLOCK LETTERS – and signature)

1.

T2.1 & T2.2

RETURNABLE DOCUMENTS

BIDDERS DISCLOSURE

Failure to complete this form in full and signed by the duly authorized person, as indicated on the Resolution of board of directors or Special resolution of consortia or joint ventures, may render the tender non-responsive and will be removed from any and all further contention.

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest ¹in the enterprise, employed by the state? YES/NO

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

Full Name	Identity Number	Name of Stateinstitution

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

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

2.2.1 If so, furnish particulars:

.....
.....

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

2.3.1 If so, furnish particulars:

.....
.....

3 DECLARATION

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

3.1 I have read and I understand the contents of this disclosure;

3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

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

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

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

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

.....

Signature

.....

Date

.....

Capacity

.....

Name of Bidder



RESOLUTION OF BOARD OF DIRECTORS

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

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

Held at _____ (place) on _____ (date) **RESOLVED**

that:

1. The Enterprise submits a Bid / Tender to the Department of Forestry, Fisheries and Environment in respect of the following project:

(Project description as per Bid / Tender Document)

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

2. *Mr/Mrs/Ms:

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

and who will sign as follows:

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

No.	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			



The bidding enterprise hereby absolves the Department of Forestry, Fisheries and Environment from any liability whatsoever that may arise as a result of this document being signed.

Note:

1. * Delete which is not applicable.
2. **NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Bidding Enterprise.
3. In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (attach proof of shareholding / ownership hereto).
4. Directors / Members / Partners of the Bidding Enterprise may alternatively appoint a person to sign this document on behalf of the Bidding Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
5. Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP



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

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

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

Held at _____ (place) on _____ (date) **RESOLVED** that:

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

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

to the Department of Forestry, Fisheries and Environment in respect of the following project:

MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE *(Project description as per Bid /Tender Document)*

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

2. *Mr/Mrs/Ms: _____

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

and who will sign as follows:

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

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

Physical address: _____

_____ (code)

Postal Address: _____

_____ (code)

Telephone number: _____

Fax number: _____

No.	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

The bidding enterprise hereby absolves the Department of Forestry, Fisheries and the Environment from any liability whatsoever that may arise as a result of this document being signed

Note:

1. * Delete which is not applicable.
2. **NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Bidding Enterprise.
3. In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (attach proof of shareholding / ownership hereto).
4. Directors / Members / Partners of the Bidding Enterprise may alternatively appoint a person to sign this document on behalf of the Bidding Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
5. Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP



SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

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

1.

2.

3.

4.

5.

6.

7.

8.

Held at _____ (place) on _____ (date) **RESOLVED that:**

RESOLVED that:

- A. The above-mentioned Enterprises submit a Bid in Consortium/Joint Venture to the Department of Forestry, Fisheries, and the Environment in respect of the following project:

MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE (Project description as per Bid /Tender Document)

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

- B. *Mr/Mrs/Ms:

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

and who will sign as follows:

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

- C. The Enterprises constituting the Consortium/Joint Venture, notwithstanding its composition, shall conduct all business under the name and style of:

- D. The Enterprises to the Consortium/Joint Venture accept joint and several liabilities for the due fulfilment of the obligations of the Consortium/Joint Venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.

- E. Any of the Enterprises to the Consortium/Joint Venture intending to terminate the consortium/joint venture agreement,

for whatever reason, shall give the Department 30 days' written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the Consortium/Joint Venture as mentioned under item D above.

- F. No Enterprise to the Consortium/Joint Venture shall, without the prior written consent of the other Enterprises to the Consortium/Joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.
- G. The Enterprises choose as the *domicilium citandi et executandi* of the Consortium/Joint Venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:

Physical address: _____

_____ (code)

Postal Address: _____

_____ (code)

Telephone number: _____

Fax number: _____

No.	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

The bidding enterprise hereby absolves the Department of Fisheries and the Environment from any liability whatsoever that may arise as a result of this document being signed.

Note:

1. * Delete which is not applicable.
2. **NB:** This resolution must be signed by all the Duly Authorized Representatives of the Legal Entities to the consortium/joint venture submitting this tender, as named in item 2 of Resolution of board of directors to enter into consortia or joint ventures.
3. Should the number of the Duly Authorized Representatives of the Legal Entities joining forces in this tender exceed the space available above, additional names, capacity and signatures must be supplied on a separate page.
4. Resolution of board of directors to enter into consortia or joint ventures, duly completed and signed, from the separate Enterprises who participate in this consortium/joint venture, must be attached to this Special Resolution (special resolution of consortia or joint ventures).



Pre-tender Site Inspection Meeting Certificate

Project Name:	MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE		
Tender no:	DFFE-T017(23-24)	Reference no:	EPIP-A170102698
Advertising date:	04 August 2023	Closing date:	07 September 2023

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

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

Name of Tenderer	Signature	Date

--	--	--

Name of DFFE Representative (PM / SCM)	Signature	Date
--	-----------	------

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

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

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

1. GENERAL CONDITIONS

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

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included).
- The applicable preference point system for this tender is the 80/20 preference point system.

1.2 Points for this tender shall be awarded for:

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

1.3 **To be completed by the organ of state:**

The total points for this tender are allocated as follows:

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

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

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

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations,

competitive tendering process or any other method envisaged in legislation;

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 PREFERENCE POINT SYSTEMS

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

80/20

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of **Regulation 4(2)** of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

- (a) any other invitation for tender, that is 80/20 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for 80/20 preference point system.

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

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

The specific goals allocated points in terms of this tender	A: Number of points allocated (80/20 system) (To be completed by the organ of state)	B: Number of points claimed (80/20 system) (To be completed by the tenderer) B=A(20)
more than 50% (fifty percent) ownership by Black people	20	
more than 50% (fifty percent) ownership by Women	20	
more than 50% (fifty percent) ownership by people with disabilities	20	
NB: POINTS CLAIMED BY SUPPLIER MUST BE THE SAME AS POINTS IN A FOR SPECIFIC GOALS		

DECLARATION WITH REGARD TO COMPANY/FIRM

4.2. Name of company/firm.....

4.3. Company registration number:

4.4. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

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

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;

- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

..... SIGNATURE(S) OF TENDERER(S)	
SURNAME AND NAME:	
DATE:	
ADDRESS:	
	
	
	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

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

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

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

WITNESSES

1.

2.

.....

SIGNATURE(S) OF BIDDERS(S)

DATE

ADDRESS

.....

.....

.....

Schedule of Tenderer's Current and Completed Projects

Project Name:	MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE		
Tender No:	DFFE-T017(23-24)	Closing date:	07 September 2023
Advertising date:	04 August 2023	Validity period:	120 days

1. Particulars of Tenderer's Current and Completed commitments.

1.1. Current Projects

Projects currently engaged in		Name of the Employer or Representative of the Employer	Contact Cell / Tel. no. of the Employer or Representative of the Employer	Contract amount	Contractual commencement date	Contractual completion date	Current percentage progress
1							
2							
3							
4							
5							

6							
7							
8							

1.2. Completed Projects

Projects completed not above 10 (ten) years	Name of the Employer or Representative of the Employer	Contact Cell / Tel. no. of the Employer or Representative of the Employer	Contract amount	Contractual commencement date	Contractual completion date	Actual completion date	Date of Certificate of Practical Completion
1							
2							
3							
4							
5							
6							

7								
8								
9								
10								

Name of Tenderer	Signature	Date

RECORD OF ADDENDA TO TENDER DOCUMENTS

Project Name:	MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE		
Tender no:	DFFE-T017(23-24)	Reference no:	EPIP-A170102698

1. I / We confirm that the following communications received from the Department of Forestry, Fisheries and Environment before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer: (Attach additional pages if more space is required)

No.	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		

10.		
-----	--	--

Name of Tenderer	Signature	Date

2. I / We confirm that no communications were received from the Department of Forestry, Fisheries and Environment before the submission of this tender offer, amending the tender documents.

Name of Tenderer	Signature	Date

SCHEDULE FOR IMPORTED MATERIALS AND EQUIPMENT

Project Name:	MP - SWILE MAVOKWENI GAME FARM AND WILDLIFE		
Tender no:	DFFE-T017(23-24)	Reference no:	EPIP-A170102698

This schedule should be completed by the tenderer. (Attach additional pages if more space is required)

Item	Material / Equipment	Rand (R) (Excluding VAT)
1.		R
2.		R
3.		R
4.		R
5.		R
6.		R

The Contractor shall list imported items, materials and/or equipment which shall be excluded from the Contract Price Adjustment Provisions (if applicable) and shall be adjusted in terms of currency fluctuations only. Copies of the supplier's quotations for the items, materials or equipment (provided that such costs shall not be higher than the relevant contract rate as listed above) should be lodged with the Principal Agent / Engineer of the Department of Forestry, Fisheries and Environment within sixty (60) days from the date of acceptance of the tender. No adjustment of the local VAT amount, nor the contractor's profit, discount, mark-up, handling costs, etc. shall be allowed.

These net amounts will be adjusted as follows:

FORMULA:

The net amount to be added to or deducted from the contract sum: $A = V (\underline{Z} - 1)$

Y

A = the amount (R) of adjustment

V = the net amount (supplier's quotation) (R) of the imported item
Y = exchange rate at the closing date of tender submission

Z = exchange rate on the date of payment.

Name of Tenderer	Signature	Date

VOLUME 3:
THE CONTRACT PART A
Agreement and Contract

C1.2 CONTRACT DATA:

JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018)

Project Name:	MP SWILE MAVOKWENI GAME FARM AND WILDLIFE
Reference no.:	EPIP-A170102698

Advertisement Date:	04 August 2023	Validity:	120
Closing Date:	30 August 2023	Closing time:	11:h00am

	The Conditions of Contract are clauses 1 to 14 of the JBCC Series 2000 Principal Building Agreement (Edition 6.2 of May 2018) prepared by the Joint Building Contracts Committee. Copies of these conditions of contract may be obtained through most regional offices of the Association of South African Quantity Surveyors, Master Builders Association, South African Association of Consulting Engineers, South African Institute of Architects, Association of Construction Project Managers, Building Industries Federation South Africa, South African Property Owners Association or Specialist Engineering Contractors Committee.
--	--

A PROJECT INFORMATION

A 1.0 Works [1.1]

Works Description:	The project comprises the following main deliverables: a) Construction of a New Accommodation facility, b) Construction of a New Administration facility, c) Construction of a New Guard house, d) Construction of New Water/Electrical Services and External works e) Construction of new boundary fence The description of the Works is not necessarily complete and shall not limit the work to be carried out by the Contractor under this Contract.
---------------------------	---

A 2.0 Site [1.1]

Erf / Stand number:	R/E of farm Islington 219 KU
Town / Suburb:	Islington
Site Address:	R/E of farm, Islington
Local Authority:	Bushbuckridge Local Municipality

A 3.0 Employer [1.1]

Official Name of Organ of State / Public Sector Body	Department of Forestry, Fisheries, and the Environment
Postal Address:	Postal address: Department of Forestry, Fisheries, and the Environment Private Bag X 447 Pretoria 0001
Physical address:	Environmental House Ground Floor of the Department of Forestry, Fisheries and Environment 473 Steve Biko Road Arcadia, Pretoria 0083
Business registration number:	Government Department
Country:	South Africa
Employer's representative: Name	
E-mail:	
Mobile Number:	
Telephone number:	

A 4.0 Principal Agent [1.1]

Name (contact person)	
Company Name:	Department of Forestry, Fisheries & the Environment
Practice number:	
Telephone number:	012 399 9892
Mobile number	
Country:	South Africa
E-mail:	
Postal address:	Private Bag X 447, Pretoria, 0001
Physical address:	Environmental House, 473 Steve Biko Road, Arcadia, Pretoria, 0083

A 5.0 Principal Consultant [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 6.0 Agent [1.1, 6.2] [Quantity Surveying]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 7.0 Agent [1.1, 6.2] [Architect]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 8.0 Agent [1.1, 6.2] [Structural Engineer]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 9.0 Agent [1.1, 6.2] [Civil Engineering]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	

Country:	
E-mail:	
Postal address:	
Physical address:	

A 10.0 Agent [1.1, 6.2] [Structural Engineering]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 11.0 Agent [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 12.0 Agent [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 13.0 Agent [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 14.0 Agent [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 15.0 Agent [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 16.0 Agent [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 17.0 Agent [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

A 18.0 Agent [1.1, 6.2]

Name (contact person)	
Company Name:	
Practice number:	
Telephone number:	
Mobile number	
Country:	
E-mail:	
Postal address:	
Physical address:	

B CONTRACT INFORMATION**B 1.0 Definitions [1.1]**

Bills of quantities: System/Method of measurement

Seventh Edition 2015 of the Standard System of Measuring Builder's Work

B 2.0 Law, regulations, and notices [2.0]Law applicable to the **works**, state country [2.1]

Republic of South Africa

B 3.0 Offer and acceptance [3.0]Currency applicable to this **agreement** [3.2]

South African Rands

B 4.0 Documents [5.0]

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

Employer (the Department)**2**

Documents comprising the **agreement**
 The **JBCC®** Principal Building Agreement, Edition
 6.2 May 2018

Page numbers

1 to 30

The JBCC® Principal Building Agreement - Contract Data for Organs of State and other Public Sector Bodies, Edition 6.2 May 2018	1 to 14
The JBCC® General Preliminaries for use with the JBCC® Principal Building Agreement, Edition 6.2 May 2018	1 to 7
Bills of Quantities	Refer to index
Additional documentation as stated in Procurement document	

Contract drawings

Refer to drawings included in tender document annexures

B 5.0 Employer's agents [6.0]

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

RodLam Consulting

Principal agent's and **agents'** interest or involvement in the **works** other than a professional interest [6.3]

N/A

B 6.0 Insurances [10.0]

Insurances by employer	Amount including tax	Deductible amount including tax
Contract works insurance:		
New works [10.1.1] (contract sum or amount)		
or Works with practical completion in sections [10.2] (contract sum or amount)		
or Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works)		
Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance		
Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance		
Escalation, professional fees and reinstatement costs if not included above		
Total of the above contract works insurance amount		
Supplementary insurance [10.1.2; 10.2]		
Public liability insurance [10.1.3; 10.2]		
Removal of lateral support insurance [10.1.4; 10.2]		
Other insurances [10.1.5]		

Yes / No		If yes, description 1		
Yes / No		If yes, description 2		

and/or

Insurances by contractor		Amount including tax	Deductible amount including tax
Contract works insurance:			
	New works [10.1.1] (contract sum or amount)	Contract Sum + 10%	To be paid in any event by Contractor
or	Works with practical completion in sections [10.2] (contract sum or amount)		
or	Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works)		
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance	n/a	
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance	n/a	
	Escalation, professional fees and reinstatement costs if not included above	n/a	
Total of the above contract works insurance amount			
Supplementary insurance [10.1.2]		n/a	
Public liability insurance [10.1.3]		R 10 million	To be paid in any event by Contractor
Removal of lateral support insurance [10.1.4]		n/a	
Other insurances [10.1.5] Refer B17.0			
Yes / No		If yes, description 1	
	Yes	SASRIA	
Yes / No		If yes, description 2	

B 7.0 Obligation of the employer [12.1]

Existing premises will be in use and occupied [12.1.2]		Yes/no?	Yes
If yes, description	A portion of the buildings to be renovated may be occupied		
Restriction of working hours [12.1.2]		Yes/no?	No
If yes, description			
Natural features and known services to be preserved by the contractor [12.1.3]		Yes/no?	No
If yes, description			
Restrictions to the site or areas that the contractor may not occupy [12.1.4]		Yes/no?	No
If yes, description			
Supply of free issue [12.1.10]		Yes/no?	No
If yes, description			

B 8.0 Nominated subcontractors [14.0]

Yes/No	No	If yes, description of Specialisation
Specialisation 1		
Specialisation 2		
Specialisation 3		
Specialisation 4		
Specialisation 5		

B 9.0 Selected subcontractors [15.0]

Yes/No	Yes	If yes, description of Specialisation
Specialisation 1		To be confirmed by Contractor
Specialisation 2		
Specialisation 3		
Specialisation 4		
Specialisation 5		

B 10.0 Direct contractors [16.0]

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

B 11.0 Description of sections [20.1]

Section 1	
Section 2	
Section 3	
Section 4	
Section 5	
Section 6	
Section	Remainder of the works

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

Practical completion for the works as a whole	Intended date of possession of the site Refer B17.0 [12.1.5; 12.2.22]	Period for inspection by the principal agent [19.3]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor	Penalty for late completion [24.1]
--	--	---	--	---

			[12.2.7; 24.1]	
	Date	working days	Date	Penalty amount per calendar day (excl. tax)
	TBC	TBC	TBC	R 0,025 per R100 of Contract Sum

or where sections are applicable

Practical completion for the works as a whole	Intended date of possession of the site Refer B17.0 [12.1.5; 12.2.22]	Period for inspection by the principal agent [19.3]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]	Penalty for late completion [24.1]
	Date	working days	Date	Penalty amount per calendar day (excl. tax)
				R ...
Section 1				
Section 2				
Section 3				
Section 4				
Section 5				
Section 6				
Section 7				
Section 8				
Remainder of the works				

Criteria to achieve **practical completion** not covered in the definition of **practical completion**

N/A

Defects liability period [21.0]

Extended defects liability period: Refer B17.0 [21.13]		Yes/no?	No
If yes, description of applicable elements	eg: Electrical reticulation / Air conditioning system / Landscaping 13.1 13.2 13.3 13.4 13.5 13.6		

Payment [25.0]

Date of month for issue of regular payment certificates [25.2]	30th of Month		
Contract price adjustment / Cost fluctuations [25.3.4; 26.9.5]	Yes/no?	No	
If yes, method to calculate			
Employer shall pay the contractor within: [25.10]	Twenty-one (21) calendar days		

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Dispute resolution [30.0]

Adjudication [30.6.1; 30.10] Name of nominating body	To be agreed between parties
Applicable rules for adjudication [30.6.2]	As per Association of Arbitrators (SA)
Arbitration [30.7.4; 30.10] name of nominating body	Association of Arbitrators (SA)
Applicable rules for arbitration [30.7.5]	As per Association of Arbitrators (SA)

JBCC® General Preliminaries – selections

Provisional bills of quantities [P2.2]		Yes/No	Yes	
Availability of construction information [P2.3]		Yes/No	Yes	
Previous work - dimensional accuracy - details of previous contract(s) [P3.1]		n/a		
Previous work - defects - details of previous contract(s) [P3.2]		n/a		
Inspection of adjoining properties - details [P3.3]		n/a		
Handover of site in stages - specific requirements [P4.1]		n/a		
Enclosure of the works - specific requirements [P4.2]		Yes		
Geotechnical and other investigations - specific requirements [P4.3]		Yes		
Existing premises occupied - details [P4.5]		No		
Services - known - specific requirements [P4.6]		Yes		
Water [P8.1]	By contractor	Yes/No	Yes	
	By employer	Yes/No	No	
	By employer – metered	Yes/No	No	
Electricity [P8.2]	By contractor	Yes/No	Yes	
	By employer	Yes/No	No	
	By employer – metered	Yes/No	No	
Ablution and welfare facilities [P8.3]	By contractor	Yes/No	Yes	
	By employer	Yes/No	No	

Communication facilities - specific requirements [P8.4]	N/a
Protection of the works - specific requirements [P11.1]	Yes
Protection / isolation of existing works and works occupied in sections - specific requirements [P11.2]	N/a
Disturbance - specific requirements [P11.5]	Yes
Environmental disturbance - specific requirements [P11.6]	Yes

Changes made to JBCC® documentation

Reference may be made to other documents forming part of this agreement
SHORTENED VERSION OF THE PRELIMINARIES AS PER THE BoQ.

C TENDERER'S SELECTIONS

Security [11/0]

Guarantee for construction: Select Option A or B ☐

Option A	Guarantee for construction (variable) by contractor [11.1.1]
Option B	Guarantee for construction (fixed) by contractor [11.1.2]
Guarantee for payment by employer [11.5.1; 11.10]	Not applicable
Advance payment, subject to a guarantee for advance payment [11.2.2; 11.3]	Not applicable

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

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

C 3.0 Payment of preliminaries [25.0]

Contractor's selection

Select Option A or B ☐

Where the **contractor** does not select an option, Option A shall apply

Payment methods

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

Lump sum contract

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

C 4.0 Adjustment of preliminaries [26.9.4]

Contractor's selection

Select Option A or B ☐

Where the **contractor** does not select an option, Option A shall apply

Provision of particulars

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

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

Adjustment methods

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

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

	an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4] The adjustment shall take into account the resources as set out in the detailed breakdown of the preliminaries for the period of construction during which the delay occurred
--	---

Failure to provide particulars within the period stated

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

Lump sum contract

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

C1.4 HEALTH AND SAFETY AGREEMENTS





Guarantee for Construction

For use with the JBCC® Principal Building Agreement

edition /date

GUARANTOR DETAILS

Guarantor:			
Physical address:			
Guarantor's signatory 1:		Capacity	
Guarantor's signatory 2:		Capacity	
Employer:			
Contractor:			
Principal Agent:			
Works:			
Site:			
Name of Signatory:			
Contract Sum:	Accepted amount inclusive of tax	Currency	
... amount in words:			
Guaranteed Sum:	The maximum aggregate amount	Currency	
... amount in words:			
Guarantee for Construction	(insert variable or fixed)		Expiry date

AGREEMENT DETAILS

Sections	Total number / not applicable		Last section	
Principal Agent issues	'JBCC® format Interim Payment Certificates, the Final Payment Certificate, the Certificate of Practical Completion and the Certificate of Final Completion			

1.0 GUARANTEE for CONSTRUCTION (Variable)

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

GUARANTOR'S LIABILITY

PERIOD OF LIABILITY

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

Amount in words:

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

Amount in words:

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

From and including the date of issue of this Guarantee for Construction and up to and including the date of issue of the interim payment certificate certifying in excess of 50% of the contract sum

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

From and including the day after the date of the applicable Certificate of Practical Completion and up to and including the date of issue of

the only Certificate of Final Completion or the last Certificate of Final Completion where there are sections

Amount in words:

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

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

Amount in words:

1,2 The Guarantor's liability limits set out in 1.1.1 to 1.1.4 shall apply in respect of any claim received by the Guarantor during the Security

2.0 GUARANTEE for CONSTRUCTION (Fixed)

2,1 Where a Guarantee for Construction (Fixed) in terms of the Agreement has been selected this clause 2.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:-

GUARANTOR'S LIABILITY

Maximum Guaranteed Sum (not exceeding 5,0% of the contract sum) in the amount of:

PERIOD OF LIABILITY

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

Amount in words:

3.0 The Guarantor acknowledges that:-

3,1 Any reference in this Guarantee for Construction to the Agreement is made for the purpose of convenience and shall not be construed as any intention to create an accessory obligation or any intention to create a suretyship

3,2 Its obligation under this Guarantee for Construction is restricted to the payment of money

3,3 Reference to a Recovery Statement or an Interim or Final Payment Certificate, or a Certificate(s) of Practical or Final Completion shall mean such certificate issued by the Principal Agent

4.0 Subject to the Guarantor's maximum liability referred to in clauses 1.0 or 2.0 , the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:-

4,1 A copy of a first written demand notice issued by the Employer to the Contractor stating that payment of a sum certified by the Principal Agent in an Interim or Final Payment Certificate has not been made in terms of the Agreement and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2

4,2 A written demand notice issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) calendar days has elapsed since the issue of the first written demand notice in terms of 4.1 and that the sum certified has not been paid to date. The Employer herewith calls up this Guarantee for Construction and demands payment of the sum certified from the Guarantor

4,3 A copy of the applicable payment certificate which entitles the Employer to receive payment in terms of the Agreement of the sum certified in 4.0

5.0 Subject to the Guarantor's maximum liability referred to in 1.0 or 2.0 , the Guarantor undertakes to pay the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand notice from the Employer to the Guarantor at the Guarantor's physical address calling up this Guarantee for Construction stating that:-

5,1 The Agreement has been terminated due to the Contractor's default and that the Guarantee for Construction is called up in terms of 5.0. The demand notice shall enclose a copy of the notice of termination; or

5,2 A provisional sequestration or liquidation court order has been granted against the Contractor and that the Guarantee for Construction is called up in terms of 5.0. The demand notice shall enclose a copy of the court order

6.0 The aggregate amount of payment to be made by the Guarantor in terms of 4.0 and 5.0 shall not exceed the Guarantor's maximum liability in terms of 1.0 or 2.0

7.0

Where the Guarantor is a registered insurer and has made payment in terms of 5.0, the Employer shall within one hundred and eighty (180) calendar days of receipt of payment submit an expense account to the Guarantor showing how all monies received in terms of the Guarantee for Construction have been expended, or will be expended, and shall refund to the Guarantor any surplus amount. All monies refunded to the Guarantor in terms of this Guarantee for Construction shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date of payment by the Guarantor to the Employer until the date of refund

8.0 Payment by the Guarantor in terms of 4.0 or 5.0 shall be made within seven (7) calendar days upon receipt of the first written demand notice to the Guarantor

9.0 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer deems fit and the Guarantor shall not have the right to claim his release from this Guarantee for Construction on account of any conduct alleged to be prejudicial to the Guarantor

10.0 The Guarantor chooses the physical address-stated above for all transactions in relation to this security

11.0 This Guarantee for Construction is neither negotiable nor transferable and shall expire in terms of either 1.1.4 or 2.1, or on payment in full of the Guaranteed Sum or on the Guarantee expiry date, whichever is the earlier, where after no claims will be considered by the Guarantor. The original Guarantee for Construction form shall be returned to the Guarantor after it has expired

12.0 This Guarantee for Construction, with the required demand notices in terms of 4.0 or 5.0, shall be regarded as a liquid document for the purpose of obtaining a court order

13.0 Where this Guarantee for Construction is issued in the Republic of South Africa the Guarantor hereby consents to the jurisdiction of a court in the area where the project is located

Signed at

Date

Guarantor's Signatory 1

.....

Guarantor's Signatory 2

.....

Witness

.....

Witness

.....

Guarantor's seal or stamp



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

ANNEXURE D (OHS SPECIFICATION)

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DFFE AND (NAME OF SERVICE PROVIDER) FOR (THE PROJECT) FOR THE PERIOD (START DATE) TO (END DATE)
CONTRACTOR AGREEMENT**

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CONTRACTOR AGREEMENT

**RESPONSIBILITIES OF THE PARTIES IN RELATION TO COMPLIANCE WITH THE PROVISION OF
THE OCCUPATIONAL HEALTH AND SAFETY ACT 1993 (ACT NO 85 OF 1993) (“OHS ACT”) AND
ALL RELEVANT REGULATIONS AS WELL AS THE OHS SPECIFICATIONS STIPULATED IN THIS
ANNEXURE D.**

1. DEFINITIONS

1.1 For the purposes of this Annexure D the following definitions will apply:

1.1.1 **“Agreement”** means the main Agreement entered into by the Parties for the Project for which this Annexure D is appended to;

1.1.2 **“Competent Person”** means a person who –

1.1.2.1 has in respect of the work or task to be performed the required knowledge, training and experience and, where applicable, qualifications, specific to that work or task: Provided that where appropriate qualifications and training are registered in terms of the provisions of the National Qualification Framework Act, 2008 (Act No.67 of 2008), those qualifications and that training must be regarded as the required qualifications and training; and

1.1.2.2 is familiar with the OHS Act and with the applicable Regulations;

1.1.3 **“Contractor/Sub Contractor”** has the same meaning as defined in the Agreement;

1.1.4 **“Construction Work”** means any work in connection with the-

1.1.2.1 construction, erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;

1.1.2.2 construction, installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;

1.1.2.3 construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or

1.1.2.4 moving of earth, clearing of land, the making of an excavation, piling, or any similar civil engineering or type of work;

1.1.5 **“COVID - 19”** means the Novel Coronavirus (COVID - 19) which is an infectious disease caused by a virus, which emerged during 2019 and was declared a global

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pandemic by the World Health Organization during the year 2020 that has previously not been scientifically identified in humans;

- 1.1.6 **"COVID – 19 Response Team"** means a team of COVID – 19 Compliance Representatives consisting of Service Provider(s)/Contractor(s), site supervisor(s), and Employees/ Participants representative(s);
- 1.1.7 **"COVID – 19 Compliance Representatives"** means a person responsible to perform duties as stipulated in the COVID – 19 Compliance Representatives appointment letter;
- 1.1.8 **"Department"** means the Department of Forestry, Fisheries and the Environment;
- 1.1.9 **"Employees/Participants"** means all Employees, servants, Mandatary / Principle Contractor/ Contractors, agents, invitees and the like of the Service Provider/ Contractor;
- 1.1.10 **"ENATIS"** means Electronic National Administration Traffic Information Systems;
- 1.1.11 **"Fall Arrest Equipment"** means equipment used to arrest a person in a fall, including personal equipment, a body harness, lanyards, deceleration devices, lifelines or similar equipment;
- 1.1.12 **"Fall Prevention Equipment"** means equipment used to prevent persons from falling from a fall risk position, including personal equipment, a body harness, lanyards, lifelines or physical equipment such as guardrails, screens, barricades, anchorages or similar equipment;
- 1.1.13 **"Fall Protection Plan"** means a documented plan, which includes and provides for –
- 1.1.13.1 all risks relating to working from a fall risk position, considering the nature of work undertaken;
 - 1.1.13.2 the procedures and methods to be applied in order to eliminate the risk of falling; and
 - 1.1.13.3 a rescue plan and procedures;
- 1.1.14 **"Health and Safety Representative/ H & S Representative"** means a person designated in terms of section 17 (1) of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993);
- 1.1.15 **"Occupational Health and Safety Committee"** means a committee established under section 19, of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993);

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- 1.1.16 **"OHS Act"** means the Occupational Health and Safety Act, 1993 (Act No.85 of 1993);
- 1.1.17 **"Occupational Health and Safety File"** means a file, or other record in permanent form, containing the information required as contemplated in the Construction Regulations 2014 Government Gazette Notice No 40883 of 2 June 2017) ("the Construction Regulations"). A Occupational Health and Safety file is to be a document that consists of various other documents (as per attached Annexure F) that resembles the entire health and safety history of the contract, from start to finish;
- 1.1.18 **"Occupational Health and Safety Plan/ OHS Plan"** means a Site, activity or project specific documented plan in accordance with the Department's Occupational Health and Safety specifications;
- 1.1.19 **"Occupational Health and Safety Specification/ OHS Specification"** means this Annexure D which is a documented specification of all health and safety requirements pertaining to the associated Works on a Site, so as to ensure the health and safety of persons;
- 1.1.20 **"Risk Assessment"** means a program to determine any risk associated with any hazard at a Site/ Premises, in order to identify the steps needed to be taken to remove, reduce or control such hazard;
- 1.1.21 **"Responsible Person"** means the Employee, or contractor appointed by the Service Provider/ Contractor and who performs the duties on behalf of the Service Provider/ Contractor;
- 1.1.22 **"Medical Surveillance"** means a planned programme or periodic examination (which may include clinical examinations, biological monitoring or medical tests) of employees by an occupational health practitioner or, in prescribed cases, by an occupational medicine practitioner;
- 1.1.23 **"Occupational Health Practitioner"** means an occupational medicine practitioner or a person who holds a qualification in occupational health recognized as such by the South African Medical and Dental Council as referred to in the Medical, Dental and Supplementary Health Service Professions Act, 1974 (Act No. 56 of 1974), or the South African Nursing Council as referred to in the Nursing Act, 2005 (Act No. 33 of 2005);
- 1.1.24 **"Personal Protective Equipment (PPE)"** means equipment or clothing that must be provided to protect and minimise the risk of injury to the health and safety of all persons entering the workplace for example helmets, goggles, gloves, work boots, life jackets, etc.

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CONTRACTOR AGREEMENT**

- 1.1.25 **“Premises”** means all such Premises as identified by the Department, where the Service Provider/ Contractor and its Employees/ Participants perform Work or render a service for and on behalf of the Department;
- 1.1.26 **“Site/s”** means any location where the Service Provider/ Contractor and its Employees / Participants perform Work or render a service for and have equipment or infrastructure installed, on behalf of the Department;
- 1.1.27 **“SHEQ Procedures and Standards”** means the Procedures and Standards contained in Branch: Environmental Programme’s Occupational Health and Safety (OHS) Master File as well as other Standard Operating Procedures (SOP), Quality and Technical Standards applicable to the work, which the Service Provider is obliged to follow when performing work on behalf of the Department.
- 1.1.28 **“Service Provider/ Contractor”** means the Service Provider/ Contractor as defined in the Agreement; and
- 1.1.29 **“Works / Scope of Work”** mean the Project as described in the Agreement.

2. RESPONSIBILITIES OF THE DEPARTMENT

- 2.1. The Department shall discuss and negotiate with the Service Provider/Contractor the contents of the Occupational Health and Safety (OHS) Plan.
- 2.1.1. The Department will take reasonable steps to ensure that the OHS Plan of the Service Provider/ Contractor is implemented and maintained. The steps taken will include periodic audits at intervals agreed between the Department and the Service Provider/ Contractor.
- 2.2. The Department will prevent the Service Provider/Contractor and/its sub-contractor from commencing or continuing with Construction Work/Works should the Service Provider/ Contractor or its sub-contractor at any stage in the execution of the Works be found to have:
- 2.2.1. failed to comply with any of the administrative measures required by the OHS Act and its Regulations in preparation for the Construction Works or any physical preparations necessary in terms of the OHS Act;
- 2.2.2. failed to implement or maintain their OHS Plan;
- 2.2.3. executed Construction Work/Works which is not in accordance with their OHS Plan; or

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- 2.2.4. acted in any way which may pose a threat to the health and safety of any person(s) present on the Premises or Site or in its vicinity, irrespective of him/them being employed or legitimately on the Premises or Site or in its vicinity.

3. GENERAL RESPONSIBILITY OF THE SERVICE PROVIDER/ CONTRACTOR

The Service Provider/ Contractor shall:

- 3.1 notify the Department of Labour of the intended construction Work in terms of the requirements outlined in Regulation 3 of the Construction Regulations, which contains the “Notification of Construction Work” form attached to these Regulations as **Annexure A**. The Service Provider/ Contractor shall submit the notification in writing prior to commencement of Work and inform the Department accordingly. A copy of this notification shall be provided to the Department before construction commences;
- 3.2 ensure that he/she is fully conversant with the requirements of this Occupational Health and Safety (OHS) Specification (“the Specification”) and all relevant health and safety legislation. This Specification is not intended to supersede the OHS Act nor the Regulations or any part of either. Those sections of the OHS Act and the Regulations or any other Regulation which apply to the Scope of Work to be performed by the Service Provider/ Contractor in terms of the Agreement will continue to be legally required of the Service Provider/ Contractor to comply with. The Service Provider/ Contractor will in no manner or means be absolved from the responsibility to comply with all applicable provisions of the OHS Act, or any Regulations under the OHS Act or any legislation which may perceivable be applicable to this Agreement;
- 3.3 provide proof of registration and “Good Standing” with the Compensation Fund or with a licensed compensation insurer prior to commencement with the Works;
- 3.4 consistently, for the duration of the Agreement demonstrate through the development, submission to the Department for approval (prior to commencement of construction Work/Works) and implementation of an OHS Plan, in terms of clause 5 below, its competence and the adequacy of its resources to perform the duties imposed on it in terms of this Specification, the OHS Act and the Regulations;
- 3.5 ensure that an Occupational Health and Safety (OHS) File, in terms of clause 5 below, is opened and kept on Site and made available to the Department or Inspector from the Department of Labour upon request;
- 3.6 ensure that all conditions imposed on its sub-contractors in terms of the OHS Act and the applicable Regulations are complied with as if they were the Service Provider/ Contractor; and

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- 3.7 from time to time evaluate the relevance of the OHS Plan and revise this Plan as required, following which revised OHS Plan shall be submitted to the Department for approval.

4. RESPONSIBILITY OF THE SERVICE PROVIDER/ CONTRACTOR IN RELATION TO WARRANTY OF COMPLIANCE

- 4.1 The Service Provider/Contractor warrants that it has familiarized itself with the working environment and that it agrees to the arrangements of this Annexure D and the OHS Plan and Master OHS File Specifications.
- 4.2 The Service Provider/Contractor acknowledges that this OHS Specifications constitutes an agreement in terms of section 37(2) of the OHS Act, whereby all responsibility for health and safety matters relating to the Work that are to be performed on the Premises and/or Site shall be the obligation of the Service Provider/ Contractor.
- 4.3 The Service Provider/Contractor undertakes to maintain all necessary compliance with the OHS Act and its Regulations. Without derogating from the generality of the above, nor from the provisions of the Agreement, the Service Provider/Contractor shall ensure that the clauses as hereunder described are at all times adhered to by itself and its Employees/Participants/ sub-contractors.
- 4.4 The Service Provider/Contractor hereby undertakes to ensure that the health and safety of any other person on the Premises and/or Site is not endangered by the conduct and/or activities of its Employees/Participants/ sub-contractors whilst they are on the Premises and/or Site.
- 4.5 Notwithstanding the above, the Service Provider/Contractor confirms that it is familiar with and will comply with the Department's Safety, Health, Environmental and Quality (SHEQ) Procedures and Standards.
- 4.6 The Work undertaken in terms of the Agreement by the Service Provider/Contractor will be carried out in conformity with all the relevant OHS Specifications, contained in this Annexure D and in strict compliance with:
- 4.6.1 all and/or any current OHS related legislation and any Regulations which may be promulgated under any such Act;
 - 4.6.2 all and/or any existing or new OHS Municipal or Local or Statutory Authority laws, By-laws, regulations and or Notices and Proclamations;
 - 4.6.3 all and/or any current OHS requirements of, or directives received from, any Governmental departments or bodies or Statutory Authorities charged with the administration and/or enforcement of any Acts of Parliament, Municipal or Local

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or Statutory Authority's Law, Bye Laws regulations and/or Notices and Proclamations;

- 4.6.4 the Occupational Health and Safety Act, 1993 (Act No: 85 of 1993) and its Regulations;
- 4.6.5 the Compensation for Occupational Injuries and Diseases Act, 1993 (Act No: 130 of 1993); and
- 4.6.6 any other relevant legislation (such as the COVID 19 related regulations) and additional Departmental SHEQ Procedures and Standards requirements not contained within the Agreement.

5. OCCUPATIONAL HEALTH AND SAFETY PLAN AND FILE

- 5.1 The Service Provider/Contractor must, in terms of the Construction Regulation 5(1) and the Department's SHEQ Procedures and Standards provide and demonstrate to the Department a suitable, sufficiently documented and coherent Site specific OHS Plan, attached as Annexure E to the Agreement, based on the Department's documented OHS Specifications contemplated in Construction Regulation 4(1) (a), which plan must be applied from the date of commencement of and for the duration of the construction Work/Work and which must be reviewed and updated by the principal contractor as Work progresses.
- 5.2 The Service Provider/Contractor must, in terms of Regulation 5(7) of the Construction Regulations keep an OHS File on Site at all times that must include all documentation required in terms of this Annexure D, the OHS Act, the Regulations and must also include a list of all contractors/ sub-contractors on Site that are accountable to it and the agreements between the Service Provider/Contractor and its sub-contractors and details of work being done. The OHS File for the Site must be prepared/ compiled from the date of commencement of and for the duration of execution of the Works. A more detailed list of documents and other legal requirements that must be kept in the OHS File is attached as Annexure F to the Agreement.
- 5.3 The OHS Plan must be submitted by the Service Provider/Contractor to the Department's Project Manager for approval prior to the commencement of Construction Work/Works.
- 5.4 The OHS File will remain the property of the Department throughout the Agreement period and shall be consolidated and handed over to the Department by the Service Provider/ Contractor at the completion of the Construction Work/ Works as is required in terms of Regulation 5 (8) of the Construction Regulations.

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6. OVERALL SUPERVISION AND RESPONSIBILITY FOR OHS

- 6.1 The Department must ensure that the Service Provider/Contractor, appointed in terms of Regulation 4(1) (c) of the Construction Regulations, implements and maintains the agreed and approved OHS Plan. Failure on the part of the Department to comply with this requirement will not absolve the Service Provider/Contractor from any one or more of its duties under the OHS Act and the Regulations.
- 6.2 The Chief Executive Officer of the Service Provider/ Contractor shall, as required in terms of section 16 (1) of the OHS Act, ensure that their Employer (as defined in the Act) (or the Service Provider/Contractor) complies with the OHS Act and that the duties of the Service Provider/ Contractor are properly discharged.

7. APPOINTMENT OF RESPONSIBLE PERSON BY SERVICE PROVIDER/ CONTRACTOR

- 7.1 The Service Provider/Contractor shall ensure that all appointments of Responsible Persons are done in accordance with the Departments' SHEQ Procedures (Roles and Responsibilities), the OHS Act and the Regulations.
- 7.2 All appointed Responsible Persons must be competent to perform the work they are appointed for.
- 7.3 The Responsible Person shall at all times have his written appointment as well as a copy of these Specifications close at hand whilst on the Site/Premises and shall be fully familiar with the requirements thereof.
- 7.4 The Service Provider/Contractor will allow the Department to examine the appointment letter of the Responsible Person during Site inspections.
- 7.5 Prior to the commencement of any Work on the identified Site, the Responsible Person, shall conduct Site inspections in order to define hazardous areas, safety precautions, standards and procedures and equipment and emergency procedures. This must be documented in an OHS Plan.
- 7.6 The Service Provider/ Contractor will allow the Department to assess the OHS Plan and to test the knowledge of the Service Provider/ Contractor including that of the Responsible Persons, regarding these Specifications during Site inspections. Where required, the Department may request retraining or refresher training before the Works can commence.

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8. APPOINTMENT OF HEALTH AND SAFETY AND COVID – 19 COMPLIANCE REPRESENTATIVE/S

- 8.1 The Service Provider/Contractor shall ensure that 1 (one) Health and Safety (H&S) Representative is nominated, trained and appointed in writing, per contract team, in terms of section 17 of the OHS Act. An additional H&S Representative shall be trained as a substitute.
- 8.2 The H&S Representative/s have to be designated in writing and the designation shall be in accordance with Department's SHEQ Procedures and Standards (H&S Representatives), and in terms of Regulation 6 of the General Administration Regulations 2003, issued under Government Gazette Notice No R929 of 25 June 2003.
- 8.3 The H&S Representative/s shall be entitled to perform duties as stipulated in section 18 of the OHS Act as well as the Department's SHEQ Procedures and Standards (H&S Representatives).
- 8.4 The designated H&S Representative/s shall conduct daily/weekly inspection of their respective areas of responsibility using a checklist and report thereon to the Service Provider/ Contractor, after which these reports shall be consolidated for submission to the relevant OHS Committee.
- 8.5 H&S Representative/s must be included in and be part of accident/incident investigations.
- 8.6 H&S Representative/s shall be members of at least 1 (one) OHS Committee and must attend all meetings of that OHS committee.
- 8.7 The Service Provider/ Contractor, with the assistance of the Department's Project Manager and Senior OHS officers, must facilitate the establishment of a COVID – 19 Compliance Officers for COVID – 19 responses.
- 8.8 The Service Provider/Contractor, with the assistance of the Department's Project Manager and Senior OHS officers, must facilitate the establishment of a COVID – 19 Compliance Team for COVID – 19 responses.
- 8.9 The team with COVID - 19 Compliance Representatives should consist of different stakeholders including the Service Provider(s)/ Contractor(s), site supervisor(s), and Employees/ Participants, OHS representative(s) with at least 1 (one) female representative and/or a representative with a disability, if possible.
- 8.10 Each COVID - 19 Compliance Officer and Representatives shall share and undertake the responsibilities outlined in their appointment letter as well as the Department's SHEQ Procedures and Standards (COVID – 19).

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- 8.11 The selected COVID – 19 Compliance Officers and Representative/s shall be members of at least 1 (one) OHS Committee and must attend all meetings of that OHS committee.

9. APPOINTMENT OF FIRST AIDER/S

- 9.1 The Service Provider/Contractor shall ensure that 1 (one) First Aider is nominated, trained and appointed in writing, per contract team. At least one additional First Aider shall be trained as a substitute, per contract team. First Aiders must be in possession of a valid First Aid certificate of competency and be readily available to render the necessary assistance on Site in case of an injury. A copy of this certificate must be provided to the Department at the commencement of the Agreement.
- 9.2 The First Aider shall be entitled to perform duties as stipulated in Department's SHEQ Procedures and Standards (First Aid).
- 9.3 A notice bearing, the address and telephone numbers of all emergency services including the South African Police Service, Emergency Medical Services, Fire Department and the nearest Hospital must be displayed on the Premises and it must be in English and one other language predominantly spoken by the Employees/ Participants.
- 9.4 The Service Provider/Contractor shall ensure that:
- 9.4.1 An adequately equipped First Aid Kit shall be easily accessible at all Site/Premises;
 - 9.4.2 The First Aid Kit shall be kept fully stocked according to the stock list;
 - 9.4.3 All first aid treatment and usage of stock shall be recorded in the dressing book kept on Site and;
 - 9.4.4 The First Aid Kit shall be under the control of a trained and competent First Aider.

10. FURTHER (SPECIFIC) SUPERVISION RESPONSIBILITIES FOR OHS

Several appointments or designations of Responsible Person and competent person in specific areas of Construction Work/ Works are required by the OHS Act and the Regulations. It will be the responsibility of the Service Provider/ Contractor to ensure that all appointments comply with the OHS Act and its Regulations.

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11. SITE RULES AND OTHER RESTRICTIONS

11.1 Site OHS Rules

11.1.1 The Service Provider/Contractor must develop a set of Site-specific OHS rules that will be applied to regulate the OHS Plan and associated aspects of the Construction Work and COVID – 19 OHS requirements.

11.1.2 Access by third parties to Sites/Premises, as well as physical social distance between Employees/ Participants should be strictly monitored by the COVID - 19 Compliance Representatives, in order to avoid the risks of contagion.

11.2 Substance Abuse

11.2.1 The use of any narcotic substances is prohibited on Site.

11.2.2 The Service Provider/Contractors shall ensure that Employees/Participants do not perform their duties under the influence of any narcotic or alcoholic substances.

11.2.3 Employees/Participants who are under the influence during work hours shall be dealt with in terms of the appropriate disciplinary procedures.

11.2.4 Alcohol testing, where applicable, may only be done using single use test units and must be disposed of in the appropriate contaminated waste bag provided on Site.

11.3 Security Arrangements

11.3.1 The Service Provider/Contractor must establish Site access rules and implement and maintain these throughout the operational period. Access control must include the rule that non-employees shall at all times be provided with fulltime supervision while on Site.

11.3.2 The Service Provider/Contractor must develop a set of Security rules and procedures for the Site and maintain these throughout the operational period.

12. SECURITY AND ACCESS

12.1 The Service Provider/Contractor and its Employees/ Participants and sub-contractors shall only access and exit the Premises and/or Sites of Private Land Owners through the main gate(s) (where applicable) designated by the Department.

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- 12.2 The Service Provider/Contractor shall ensure that the Employees/Participants observe the security rules of the Department at all time and shall not permit any person who is not directly associated with the Works to enter the Premises and/or Site.
- 12.3 The Service Provider and the Employees/Participants shall not enter into any area of the Premises and/or Site, which is not directly associated with the Works.
- 12.4 When required for a site by law, visitors and non-employees upon entering the site shall be recorded on an attendance register, be screened for COVID -19 symptoms through the completion of an “self-assessment questionnaire”, hands and personal belongings sanitized and be issued with the required Personal Protective Equipment (PPE) as and when necessary.
- 12.5 The Service Provider/Contractor shall ensure that all materials, machinery or equipment brought by it onto the Premises and/or Site are registered at the main gate(s) (where applicable). A failure to do this may result in a refusal by the Landowner to allow the materials, machinery or equipment to be removed from the Premises and/or Site.
- 12.6 The Service Provider/Contractor shall submit to the Department, for approval, all the names of each proposed Employee/Participant prior to such Employee/Participant entering the Premises and/or Site.
- 12.7 The Department may refuse access to a Premises and/or Site by any one of the Service Provider/Contractor’s Employees/Participants who has proven by his/her action to have a disregard for any of the relevant OHS requirements. Such refusal of access to the Premises by the Department shall not result in any claims on the Department by the Service Provider/Contractor.
- 12.8 The actions on the Service Provider/Contractor’s Employees/ Participants referred to in paragraph 12.7 above includes but are not limited to:
- 12.8.1 Possession of illegal drugs, liquor or other intoxicating substances on the Premises;
 - 12.8.2 Intoxication, and/or consumption of an intoxicating substance;
 - 12.8.3 Unauthorised possession of Department’s property;
 - 12.8.4 Fighting/assault;
 - 12.8.5 Possession of dangerous weapon; and/ or
 - 12.8.6 Violation of health and safety rules.
- 12.9 Where an Employee/Participant show symptoms of possible COVID – 19 infection when reporting for duty or whilst performing duties, the protocols set out in the Department’s SHEQ Procedures and Standards (COVID – 19) must be followed.

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12.10 Any person required to take medication shall notify the relevant Responsible Person thereof, as well as the potential side effects of the medication.

13. DEMARCATION OF WORK AREAS

13.1 Work areas that pose a potential danger to people must be visibly or structurally cordoned off with neat barriers, fencing or purpose - made hazard tape or rope. The method used must be suitable and in direct proportion for the purpose, e.g. physical barriers or fences must be used to prevent people from falling into holes.

13.2 Clearly visible Safety Signs shall be installed by the Service Provider/ Contractor to alert third parties entering the Work area of any dangers / hazards that exists in such a Work area. These signs shall comply with the South African National Safety Standards and shall be appropriate for the type of Work performed in the Work area.

14. APPOINTMENTS AND TRAINING

14.1 The Service Provider/Contractor shall appoint competent persons as envisaged in section 16(2) of the OHS Act. These appointees must be trained on all OHS matters, and the OHS Act provisions that apply to the Work that is to be performed under their responsibility. Copies of any appointments made by the Service Provider/ Contractor in terms of section 16(2) of the OHS Act shall be made available to the Department upon its request.

14.2 The Service Provider/Contractor shall ensure that he has familiarized himself with the hazards associated with the Work being carried out on the Premises and/or Sites. The Service Provider/ Contractor shall further ensure that the Employees/Participants are trained on the health and safety aspects relating to the Work and that they understand the hazards associated with such Work being carried out on the Premises and/or Sites. Without derogating from the afore-going, the Service Provider/Contractor shall, in particular, ensure that all its users or operators of any materials, machinery or equipment are properly trained in the use of such materials, machinery or equipment.

14.3 The Service Provider/Contractor shall avail its Employees/Participants to training programmes offered by the Department for occupational competency and personal development purposes as and when required by the Department.

14.4 Notwithstanding the provisions of the above, the Service Provider/Contractor shall ensure that he, his appointed Responsible Persons and Employees/Participants are at all times familiar with the provisions of the OHS Act, this Specifications as well as the Department's SHEQ Procedures (Training, Competency and Awareness) and that they comply with the provisions thereof.

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- 14.5 The contents and syllabi of all training required by the OHS Act and the Regulations including any other related or relevant training as required by the Department's SHEQ Procedures (Training, Competency and Awareness) must be included in the Service Provider/ Contractor's OHS Plan and OHS File.
- 14.6 All Employees/Participants of the Service Provider/ Contractor must be in possession of proof of General Induction training and Site Specific OHS Induction or other qualifying training.
- 14.7 All operators, drivers and users of vehicles, mobile plants and other equipment must be in possession of valid proof of training to operate such vehicles, mobile plants and other equipment.
- 14.8 All Employees/Participants in jobs requiring training in terms of the OHS Act and the Regulations and the Department's SHEQ Procedures (Training, Competency and Awareness) must be in possession of valid proof of training.

15. SUPERVISION, DISCIPLINE AND REPORTING

- 15.1 The Service Provider/Contractor shall ensure that, where applicable, all Work performed on the Premises and/or Sites is done under strict supervision, and that no unsafe or unhealthy Work practices are permitted. Discipline regarding non-compliance with health and safety matters shall be strictly enforced by the Service Provider/Contractor against any of its Employees/Participants.
- 15.2 The Service Provider/Contractor shall further ensure that the Employees/Participants report all unsafe or unhealthy Work situations immediately after they become aware of it, and that the Service Provider/ Contractor shall in turn report these in writing, to the Department in terms of the Department's SHEQ Procedures and Standards (Incident investigation and Non Compliance)

16. ACCESS TO THE OHS ACT

The Service Provider/Contractor shall have an updated copy of the OHS Act available in the OHS File which is accessible to its appointed Responsible Persons and Employees/Participants. The Parties may make arrangements for the Service Provider/Contractor and its Responsible Persons to have access to the Department's copies of the OHS Act.

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17. CO-OPERATION

The Service Provider/Contractor and/or its Responsible Persons and Employees/Participants shall provide full co-operation and information if and when the Department or its representative enquire into OHS issues concerning the Service Provider/ Contractor. The Department and its representative shall at all times be entitled to make such enquiry.

18. HAZARD IDENTIFICATION AND RISK ASSESSMENT AND SAFE WORK OPERATION STANDARDS AND PROCEDURES

18.1 The Service Provider/Contractor shall ensure that a Hazard identification and Risk assessment (HIRA) is carried out on the Site where Work is to be performed. HIRA, Safe work operating standards and procedures must be developed in accordance with the Departments' SHEQ Procedures (HIRA) and be in place to address these risk.

18.2 The Service Provider/Contractor must, as a minimum requirement, have regard to and apply any applicable operational standards and procedures, guidelines and other documentation used by the Department as a basis for prescribing the HIRA and Safe work operating standards, procedures and practices for the Employees/Participants. The Service Provider/ Contractor, shall at all times, be responsible for ensuring compliance with the OHS Act, including ensuring that it has adequate HIRA and safe work operating standards and procedures in place. The Service Provider/ Contractor shall ensure that the Employees/Participants are made conversant and comply with the requirements of the HIRA and Safe work operating standards, procedures and practices.

19. OCCUPATIONAL HEALTH AND SAFETY MEETINGS

19.1 The Service Provider/Contractor shall establish its own OHS committee/s as contemplated in terms of section 19 of the OHS Act. The OHS Committees shall conduct its duties in accordance with the requirements under the OHS Act and the Department's SHEQ Procedures and Standards (OHS Committee).

19.2 The Service Provider/Contractor's OHS Committees shall consist of the designated H&S Representatives and COVID – 19 Compliance Representatives together with a number of Department's Representatives appointed in terms of section 19(3) of the OHS Act. Provided that the Department's Representatives shall not exceed the number of the Service Provider/ Contractor's H&S Representatives on the committee. The persons nominated on an OHS Committee must be designated in writing for such period as may be determined by the Service Provider/ Contractor.

19.3 The OHS Committee may co-opt advisory (temporary) members and determine the procedures of the meetings including the chairmanship;

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19.4 The Service Provider/Contractor shall have a representative on the Regional OHS Committee of the Department.

19.5 The OHS Committee must meet minimum monthly and consider, at least, the following Agenda for the meeting.

Agenda:

1. Opening and determining of chairmanship (only when necessary)
2. Minutes of Previous Minutes
3. Observations
4. Program and Safety considerations
5. Hygiene
6. Housekeeping improvement
7. Incidents & Accidents / Injuries
8. Registers:
 - 8.1 H&S Representatives. Inspections
 - 8.2 Matters of First Aid
 - 8.3 Registers for Cleaning and Disinfecting
 - 8.4 Scaffolding
 - 8.5 Ladders
 - 8.6 Excavations
 - 8.7 Portable Electric Equipment
 - 8.8 Fire Equipment
 - 8.9 Explosive Power Tools
 - 8.10 Power Hand tools
 - 8.11 Incident Report Investigation
 - 8.12 Pressure Vessels
 - 8.13 Personal Protective Equipment
9. Safety performance Evaluations
10. Education & Safety promotion program
11. First Aid Officials and training in First Aid
12. Demarcation of work- /hazardous-/safe areas/walkways
13. Posters and signage
14. Environmental preservation and conservation
15. Specific training programmes
16. Operational Standards and Procedures with specific reference to COVID – 19 compliance implementation and monitoring
17. General
18. Date of Next Meeting
19. Closing

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20. COMMUNICATION AND LIAISON

- 20.1 OHS liaison between the Department and the Service Provider/ Contractor, and other concerned parties shall be through the Department's OHS Committee as per the procedures determined by the OHS Committee.
- 20.2 In addition to the requirements under paragraph 20.1 above, communication regarding OHS matters between the Parties may be made, verbally (followed by written confirmation through an email) or in writing, as and when the need arises.
- 20.3 Consultation with the Employees/Participants on OHS matters will be through Supervisors, COVID – 19 Representatives and H&S Representatives.
- 20.4 The Service Provider/Contractor will be responsible for the dissemination of all relevant OHS information in accordance with the Department's SHEQ Procedure (Participation and Consultation) to the other contractors e.g. design changes agreed with the Department on its behalf and the Designer, instructions by the Department exchange of information between Contractors, the reporting of hazardous/dangerous conditions/situations etc.

21. COMPENSATION AND REGISTRATION AS OUTLINED IN THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) MINISTERIAL DETERMINATION

- 21.1 It is the responsibility of the Service Provider/Contractor to arrange for all participants to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 1993 (Act No 130 of 1993) (COIDA Act).
- 21.2 The Service Provider/Contractor must report any work-related injury or occupational disease to the Department in terms of the Department's Investigation Procedure.
- 21.3 The Service Provider/Contractor must report accidents or diseases to the Compensation Fund. Submission of all forms shall be made in compliance with the COIDA Act.

22. MEDICAL EXAMINATIONS AND OCCUPATIONAL HEALTH AND HYGIENE

- 22.1 The Service Provider/Contractor shall ensure that all the Employees/Participants undergo a Medical Surveillance Program as prescribed in the OHS Act and its Regulations and the Departmental SHEQ Procedures and Standards (Medical Surveillance), where their working environment necessitates this and also to ensure that Employees/Participants are medically fit for the purposes of the work they are to perform.

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- 22.2 Prior to employment, all Participants shall undergo a medical examination performed by a registered Occupational Health Practitioner. Whenever possible, team members that resign need to undergo an exit medical examination and the results must be kept on record by the Service Provider/Contractor.
- 22.3 The Service Provider/Contractor shall be responsible for the medical welfare of its own and sub-Mandatory/sub - Contractor personnel and shall provide health certificates of Employees/Participants to the Department when so requested.
- 22.4 The Service Provider/Contractor shall adhere to all applicable Regulations or the Department's guidelines for medical surveillance, COVID – 19 testing and medical screening and operational hygiene monitoring.
- 22.5 If separate accommodation for Mandatory/Principle Contractor/Contractor personnel is provided (e.g. tents for camping), the Mandatory/Principle Contractor/Contractor shall comply with the relevant OHS Operational Standards for: COVID – 19 OHS requirements, sanitation, sewage, hygiene, water supply, sleeping quarters, food establishments, and laundry and garbage disposal.

23. INCIDENT REPORTING AND INVESTIGATION

- 23.1 Incidents as described in terms of section 24 of the OHS Act shall be reported by the Service Provider/Contractor to the Department of Labour and to the Department. The Department shall further be provided with copies of any written documentation as per the Department's SHEQ Procedure (Incident Investigation and Non-Compliance) relating to any incident.
- 23.2 Notwithstanding the requirements of section 24 of the OHS Act, all incidents shall be investigated and reported on in writing, as per the Department's SHEQ Procedure (Incident Investigation and Non-Compliance).
- 23.3 The Department retains an interest in the notification of any incident as described in paragraphs 23.1 and 23.2 above, as well as in any formal investigation and/or inquiry conducted in terms of section 32 of the OHS Act into such incident.
- 23.4 Any incident, condition or act that could or could have caused injury, health impacts, damage or loss or affect the environment must be reported to the Department's Regional OHS Officers or to such a person in the Department as may be designated in writing to the Service Provider/Contractor.
- 23.5 The Service Provider/Contractor is responsible to oversee the investigation of all accidents/incidents where Employees/Participants and non-employees were injured to the extent that they had to receive first aid or be referred for medical treatment by a doctor,

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hospital or clinic. (see Regulation 9 of the General Administrative Regulations, 2003, published under Government Gazette Notice R929 of 25 June 2003).

23.6 The Service Provider/ Contractor is responsible for the investigation of all road traffic accidents relating to the operations and keeping a record of the results of such investigations including the steps taken to prevent similar accidents in future.

23.7 The Service Provider/ Contractor is required to maintain an acceptable disabling incident frequency rate (DIFR) of less than 0.5 and report on this to the Department on its behalf on a monthly basis.

24. FIRE PRECAUTIONS AND FACILITIES

24.1 The Service Provider/Contractor shall ensure that an adequate supply of fire protection and first aid facilities is provided as indicated in the Department's SHEQ Procedures (Emergency Preparedness and Response) for the Work to be performed on the Premises and/or Site. The Parties may mutually make arrangements for the provision of such facilities, subject to such arrangements being recorded in writing by the Parties thereto.

24.2 The Service Provider/Contractor shall further ensure that the Employees/Participants are familiar with fire precautions at the Premises and/or Site, which include the contingency plan and emergency exits and that such precautions are adhered to.

25. HYGIENE AND CLEANLINESS

25.1 The Service Provider/Contractor shall ensure that the area where the Work is performed is at all times maintained to reasonably practicable levels of hygiene and that they maintain the surrounding area of the Site to a reasonably practicable level of cleanliness. In this regard, no loose materials shall be left lying unnecessarily, and the Site shall be cleared of waste materials regularly and on completion of any Work performed by the Service Provider/Contractor and its Employees/Participants.

25.2 Disinfectant, sanitization and personal hygiene protocols as stipulated in the Department's SHEQ Procedures and Standards (COVID – 19) shall be implemented, monitored and adhered too at all times on the Site/Premises.

26. ENVIRONMENT

26.1 The Service Provider/Contractor shall ensure that the Work and the manner in which the Work is executed:

**ANNEXURE D (OHS SPECIFICATIONS) TO THE MEMORANDUM OF AGREEMENT ENTERED INTO BETWEEN
DFFE AND (NAME OF SERVICE PROVIDER) FOR (THE PROJECT) FOR THE PERIOD (START DATE) TO (END DATE)
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- 26.1.1 complies with all relevant environmental legislation; and
- 26.1.2 complies with all environmental SHEQ Procedures and Standards (Pollution, Air, Ground & Water) or Requirements adopted by the Department from time to time.
- 26.2 The Service Provider/Contractor shall provide the Department with such reports as the Department require from time to time in order to comply with the provisions of the environmental legislation, or any competent authority in matters relating to the environmental legislation.
- 26.3 In order to comply with relevant environmental legislation, the Service Provider/Contractor shall ensure that the following precautionary measures, but not limited to, are adhered hereto:

26.3.1 General environmental rules:

- 26.3.1.1 The Service Provider/Contractor must obtain clearance for bringing chemicals/herbicides onto the Premises and/or Site. For clearance, material safety data sheets must be available on Site for these chemicals/herbicides. It is essential that the Service Provider/Contractor Employees/Participants understand the hazards and safe handling precautions to be taken prior to the chemical/herbicides being used;
- 26.3.1.2 Ad-hoc dumping on any part of the Site is strictly prohibited and it is the responsibility of the Service Provider/Contractor to ensure that dumping on any part of the Site does not occur;
- 26.3.1.3 Machinery to be used at the Site must be fitted with muffling devices to reduce the likelihood of noise pollution.

26.3.2. General

- 26.3.2.1 The Service Provider/Contractor undertakes to rectify any environmental degradation on the Site caused by any Work or activity, to the satisfaction of the Department and in line with the relevant environmental legislation.
- 26.3.2.2 The Service Provider/Contractor will immediately report any incident that causes or has the likelihood of causing any environmental degradation or pollution to the Department;
- 26.3.2.3 The Service Provider/Contractor indemnifies the Department for any claims that may arise from any pollution or degradation that has taken place or that

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is likely to take place and that was caused by any Work, act, or omission occasioned by the Service Provider/ Contractor appointed.

27. PERSONAL PROTECTIVE EQUIPMENT

27.1 The Service Provider/Contractor shall ensure that its Responsible Persons and the Employees/Participants are provided with, and at all relevant times wear, adequate personal protective equipment (PPE) for the work they perform at the Site, and in accordance with the requirements of Regulation 2 of the General Safety Regulations, 1986, published under Government Gazette Notice R1031 of 30 May 1986 in terms of the OHS Act as well as Department's SHEQ Procedures and Standards (PPE requirements).

27.2 The Service Provider/Contractor shall provide adequate and appropriate safety equipment of an approved type and quantity, as may be specified (or expected in accordance with good working practice), and shall maintain this safety equipment in a professional manner as dictated by the OHS Act and the Department's SHEQ Procedures and Standards (PPE and COVID 19 requirements). In addition, the Service Provider/ Contractor shall keep up-to-date records of all said equipment. Furthermore:

27.2.1 The Service Provider/Contractor shall ensure that all contract personnel under its supervision have been trained in the proper use, maintenance and limitations of safety equipment;

27.2.2 The Service Provider/Contractor must ensure that there is free access, at all times, by all persons on the Site to all fire extinguishing/beaters and safety equipment;

27.2.3 The Responsible Person must not require, or permit a contract employee to work unless the required safety equipment is used and in good order.

27.3 The Service Provider/Contractor shall supply its Contractor and sub – Contractor's and Employees/Participants with adequate PPE as required in connection with the safe performance of the Work. The PPE shall be maintained in good condition, and shall be worn on all relevant occasions as indicated by notices, instructions, work permits, safety regulations and good practice (Department's SHEQ Procedures and Standards (PPE requirements):

27.3.1 The PPE shall meet the minimum prescribed standards of quality as prescribed and/or approved by the South African Bureau of Standards (SANS);

27.3.2 The PPE shall be replaced when it becomes ineffective through wear and tear;

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- 27.3.3 The required PPE on a Site will depend on the hazards and risk identified in a Workplace Risk Assessment. Consideration must be given to the source of energy and the part of the body involved;
- 27.3.4 The PPE requirements must be included in the Service Provider/Contractor Health & Safety Plan;
- 27.3.5 The Service Provider/Contractor must keep records of all issues of PPE;
- 27.3.6 The Service Provider/Contractor must ensure that regular checks are conducted by the Contractor/supervisor on the correct use of PPE;
- 27.3.7 The Service Provider/Contractor must ensure that safety boots with steel toe or PVC moulded cap must be worn on construction Site/ Premises;
- 27.3.8 The Service Provider/Contractor must ensure that safety hats are worn in demarcated areas on the Site and in all places on the Sites where there is a possibility of head injuries;
- 27.3.9 The Service Provider/Contractor must ensure that the correct and approved Hazardous Chemical overalls, gloves, masks and respirators, are worn whenever hazardous chemical substances are handled on Site, or if there is a possibility of cutting the skin when abrasive or sharp materials are being man – handled;
- 27.3.10 The Service Provider/Contractor must ensure that the correct and approved hearing protection equipment/devices, are worn when working with machinery that generates noise above 85dB (A);
- 27.3.11 The Service Provider/Contractor must ensure that safety glasses and face shields are worn when the Work on the Site involves concussive or abrasive operation likely to cause flying debris, or when decanting or handling hazardous chemicals on the Site;
- 27.3.12 The Service Provider/Contractor must ensure that Employees/Participants are familiar with the operation and application of respiratory apparatus like dust masks for dusty areas and self - contained breathing apparatus for toxic environments;
- 27.3.13 Sand blasting, grinding and disc cutting operations, should preferably be done using equipment and/or procedures that do not produce dust on the Site. In cases where this is not possible, the Service Provider/Contractor must ensure that SANS-approved respiratory equipment is worn and the area must be enclosed to contain dust generation to a minimum;

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27.3.14 The Service Provider/Contractor must ensure that fall arrest and fall prevention equipment shall be used to secure workers involved with high altitude work or when working at elevated heights (2 meters) and where falling from such heights is not protected by any other means. Where required, the Service Provider/ Contractor must ensure that a documented fall protection plan must be in place, kept on Site and implemented; and

27.3.15 The Service Provider/Contractor must ensure that the wearing of loose over-clothes, sandals and/or shorts on Site/ Premises is prohibited.

27.3.16 In addition to the existing prescribed PPE requirements for each task, the Employees/ Participants must be issued with the following PPE with respect to COVID – 19 requirements by the Service Provider/Contractor:

- I. a face mask [3 (three) material layer washable face masks - an issue of a minimum of 2 (two) masks per Employee/ Participant];
- II. a pair of working leather gloves; and
- III. a face shield [an issue of a minimum of 2 (two) face shields per Employee/ Participant].

28. TRANSPORT, PLANT, MACHINERY AND EQUIPMENT

In terms of the OHS Act, the Service Provider/Contractor is not permitted to Work with/on equipment that is unsafe or under hazardous conditions, unless Employees/Participants exposed to these hazards, are informed of such hazards and precautionary measures are in place to manage these hazards. Where the latter cannot be complied with, Employees/Participants will not be required or permitted to work in such situations:

28.1 The Service Provider/Contractor shall ensure that all the plant, machinery, equipment and/or vehicles it may wish to utilize on the Premises and/or Site is/are at all times of sound order and fit for the purpose for which it is intended, and that it complies with the relevant legislative requirements as well as the Department's SHEQ Procedures and Standards (Vehicles and trailers, Machine guarding, Rope Access and Fall arrest; Hand tools and equipment, Fire-fighting equipment, Storage of flammables etc.).

28.2 In accordance with the provisions of section 10(4) of the OHS Act, the Service Provider/ Contractor hereby assumes the liability, for taking the necessary steps to ensure that any article or substance that is erected or installed at the Premises and/or Site, and which the Service Provider/Contractor uses at work complies with all the prescribed requirements and will be safe and without risks to health when properly used.

28.3 The Service Provider/Contractor must ensure that all equipment, vehicles, machines, instruments and tools used by the Service Provider/Contractor's Employees/

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Participants on a Site/Premises are maintained in a good, safe working order and suitable for the work to be performed and all personnel handling and/or operating same as adequately and appropriately trained to do so.

28.4 The Service Provider/Contractor shall not allow unauthorized, untrained or unlicensed operators to operate equipment or vehicles on the Department's Premises and/or Sites;

28.5 No vehicle, equipment or machine will be permitted onto the Site unless:

28.5.1 such vehicle is in a roadworthy condition, and in the case of equipment and machines, have been recorded in a register, inspected and approved by the Service Provider/Contractor's Responsible Person;

28.5.2 the machines and equipment displays suitable identification, stating a re-inspection date. The Service Provider/Contractor may be required to remove machines or equipment without valid identification from the Site;

28.5.3 the Service Provider/Contractor vehicles, equipment and machinery are subject to a visual road worthy check and/ or a safety inspection by the Department's OHS Environmental Personnel or Project Manager;

28.5.4 all drivers must be recorded on a register, and must hold and be able to produce a valid driver's license as well as Professional Drivers Permit, verified through ENatis; and

28.5.5 the Service Provider/Contractor shall ensure that all road vehicles used on the Premises and/or Site are recorded in a register, are in a roadworthy condition, are licensed, have a Departmental authorization disk and are insured.

28.6 The maximum speed limit on gravel roads on the Site is 40km/h, unless otherwise indicated.

28.7 The warning, safety and road signs on the Site must always be obeyed.

28.8 Overloading of vehicles on the Site is not permitted.

28.9 People, tools and equipment must be transported separately.

28.10 Where benches are provided in vehicles, these must be secured. In the event that any hazardous substances are to be transported on the Premises and/or Site, the Service Provider/ Contractor shall ensure that the requirements of the Hazardous Chemical Agent Regulation 2021 (Government Gazette Notice No 44348 of 29 March 2021) ("the Hazardous Chemical Agent Regulations"), the National Road Traffic Act, 1996 (Act No

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93 of 1996, as well as the Department's SHEQ Procedures and Standards (Vehicles and trailers & Hazardous Chemical Agent) are complied with at all times.

28.11 Reckless driving or non-observance of these instructions mentioned under paragraphs 28.5 to 28. above may be cause for the withdrawal of the authorisation of the driver to operate the vehicle.

28.12 The occupants of vehicles, including journeys to and from the Sites, must wear seat belts where fitted to any vehicle as a local legislative requirement.

28.13 During excavations on the Site, the Service Provider/Contractor shall take extra care, by consulting Site drawings, extrapolating positions from the positions of above ground equipment, etc., not to damage any underground equipment.

28.14 If any equipment on the Site is damaged during excavations, the necessary precautions shall be taken immediately to make the situation as safe as reasonably possible, and the Department's Project Manager must be contacted immediately for advice on further action to be taken.

29. EMERGENCY PREPAREDNESS AND RESPONSE

29.1 The Service Provider/Contractor will be responsible for the compilation, implementation and updating of the Emergency Evacuation Site Plan for their respective Site/ Premises operations in accordance with the Department's SHEQ Procedures (Emergency Preparedness and Response and COVID -19).

29.2 Each applicable Site/Premises, as identified should have supplement relevant emergency plans detailing:

- 29.2.1 Major hazards;
- 29.2.2 Evacuation routes;
- 29.2.3 Assembly points;
- 29.2.4 Emergency equipment; and
- 29.2.5 Key personnel and contact details.

29.3 The emergency plan must be communicated as part of induction training for new Employees/Participants on Site and such plan should be visually displayed on the Site. Each Site shall, where applicable:

- 29.3.1 make appropriate appointments;
- 29.3.2 train personnel;
- 29.3.3 have appropriate and adequate emergency equipment available;
- 29.3.4 maintain emergency equipment; and

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29.3.5 communicate and maintain up-to-date contact information of all role-players, and interested and affected parties.

29.4 If not already tasked to the H&S Representative/Officer appointed, the Service Provider/ Contractor must appoint a competent Emergency Controller who must develop contingency plans for any emergency that may arise on the Premises and/or Site as indicated by the risk assessments. Contingency plans must be developed in consultation with COVID-19 Compliance Representative.

30. ARRANGEMENTS FOR MONITORING AND REVIEW

30.1 Audits and inspections by the Department or its Agent on its behalf.

30.1.1 The Department on its behalf reserves the right to conduct any other OHS compliance *ad hoc* audits and inspections as it, and/or its Agent on its behalf, deem necessary in accordance with the Department's SHEQ Procedures (Non Conformity, Corrective and Preventative Action).

30.1.2 A representative of the Service Provider/Contractor must accompany the Department on all audits and inspections and may conduct their own audit/inspection at the same time. Each Party will, however, take responsibility for the results of his/her own audit/inspection results.

30.1.3 For purposes of monitoring the Service Provider/Contractor's adherence to the OHS requirements by the Department, the Department shall allow persons nominated by the Department to audit the Service Provider/ Contractor in relation to compliance with the:

- i. ISO 14001- Environmental Management System;
- ii. ISO 9001- Quality Management System;
- iii. Occupational Health and Safety Act, 1993 (Act No: 85 of 1993) and its Regulations, and the ISO 45001- Occupational Health and Management System;
- iv. Compensation for Occupational Injuries and Diseases Act, 1993 (Act No: 130 of 1993);
- v. Department's SHEQ Procedures and Standards; and
- vi. Annexure D (OHS Specifications).

30.2 Reports

30.2.1 The Service Provider/Contractor shall report all incidents as stipulated in paragraph 23 of this OHS Specifications.

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30.2.2 The Service Provider/Contractor is required to provide the Department with copies of all statutory reports required in terms of the OHS Act and the Regulations together with a monthly "OHS Management Report".

30.3 Review

30.3.1 The Service Provider/Contractor must review the Hazard Identification and Risk Assessments and Safe Work Processes/Procedures at each Operational Planning and Progress Report meeting as:

- i. the Works develops and progresses; and
- ii. each time changes are made to the designs, plans, work methods and processes.

30.3.2 The Service Provider/Contractor must provide the Department or the Department's Agent acting on its behalf, Contractors and all other concerned parties with copies of any changes, alterations or amendments as contemplated in paragraph 30.3.1(ii) above.

31. CLARIFICATION

In the event that the Service Provider/Contractor requires clarification of any of the terms or provisions of this Specifications, it should contact the appropriate and designated representative of the Department whose clarification in terms hereof must be made in writing.



**ENVIRONMENTAL PROTECTION &
INFRASTRUCTURE PROGRAMMES**

CORPORATE IDENTITY BRANDING GUIDELINES



ENVIRONMENTAL PROTECTION &
INFRASTRUCTURE PROGRAMMES

Herewith the branding manual of the Environmental Protection & Infrastructure Programmes, designed and laid out in accordance with the Government, EPWP and Department of Environmental Affairs branding manuals.

CORPORATE IDENTITY BRANDING GUIDELINES



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LOGO CONSTRUCTION AND APPLICATION

EPIP LOGO CONSTRUCTION

The Petals

The 3 petals represent the Soil (Brown), Vegetation (Green) and Water (Blue), which represent the mandate of the Department for which the programme stands for.

Hands

The hands symbolise 1. Care for the environment, 2. Provision of opportunities (Skills Development, Job creation & SMME Development) through environmental interventions (projects)



**ENVIRONMENTAL PROTECTION &
INFRASTRUCTURE PROGRAMMES**

LOGO CONSTRUCTION AND APPLICATION

MONOTONE LOGO

The EPIP logo may be represented in black or white reflected out of any solid colour background.

It should always be positioned top left or center of the document covers or electronic media, the DEA (Department of Environmental Affairs) logo should always be positioned at the bottom left, also on a white background as per GCIS manual.

One solid signature should only be place on a solid background, preferable in white or black. This will apply primarily on signage and corporate gifts. Please avoid placing logos on textures or patterned background.

The reverse version should only be placed on 100% black to 30% black backgrounds, excluding promotional elements where it may also be embossed.



ENVIRONMENTAL PROTECTION &
INFRASTRUCTURE PROGRAMMES

Black reversed out of white



ENVIRONMENTAL PROTECTION &
INFRASTRUCTURE PROGRAMMES

White reversed out of black

LOGO CONSTRUCTION AND APPLICATION

COLOUR SPECIFICATIONS

PRIMARY COLOUR

Green is the primary colour



100c, 14m, 100y, 41k
R0, G101, B50
PANTONE 356C

NOTE:

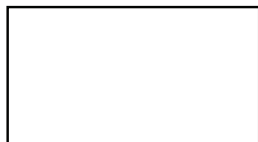
The EPIP logo may only be used over a white background. It should always be positioned top left or center of the document covers or electronic media, the DEA (Department of Environmental Affairs) logo should always be positioned at the bottom left, also on a white background as per GCIS manual.

TERTIARY COLOURS

These consist of the remaining colours of the EPIP logo



28c, 67m, 100y, 17k
R162, G92, B11
PANTONE 7512C



0c, 0m, 0y, 0k
R255, G255, B255



98c, 77m, 6y, 0k
R32, G67, B148
PANTONE 661C



LOGO CONSTRUCTION AND APPLICATION

TYPOGRAPHY

The main logo is in 'Placard Condensed', a clear font found in both Windows and Mac platforms. The font must be used in all document titles, the body text can be Arial or Trebuschet font styles.

Typically A4 documents need to use 12pt size, unless necessary a variation of 10% up or down is recommended. A5 can use 10pt, A6 8pt.

Primary descriptor

Century Gothic Bold

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
1 2 3 4 5 6 7 8 9 0 ! ? % & *

Century Gothic Regular

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
1 2 3 4 5 6 7 8 9 0 ! ? % & *

COMPLIMENTARY SLIP

Printing Specifications

Paper size:	210mm x 99mm (DL)
Stock:	Cartridge 100-115gms
Stock colour:	White
Screen:	133
Colours:	Full colour

Complimentary Slips are printed on the same paper as the letterhead. Complimentary slips are specifically used for delivery scribes or rough notes by hand to external customers, the slips may be used for internal communications as well. The notes generated in this form must always take note of the Department and EPIP's representativity, it is therefore as important as it is to the letterhead to keep the slips in a secure location.

With Compliments



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA



Tel: 012 310 3011, Fax: 012 320 7541
Fedure Forum Building
315 Pretorius Street, Pretoria, 0002
Private Bag X447, Pretoria 0001
www.environment.gov.za

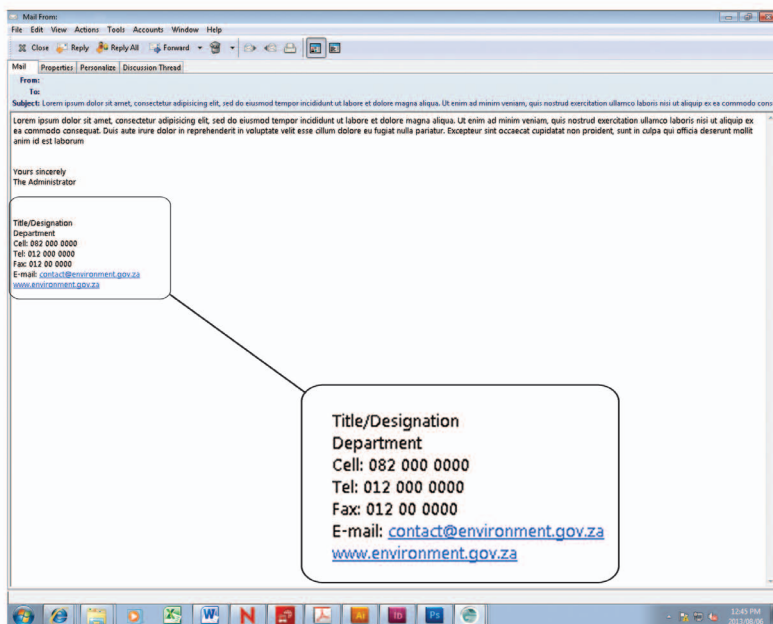


EXPANDED PUBLIC WORKS PROGRAMME
Contributing to a Nation at Work

EMAIL SIGNATURE

Email Footer To protect the EPIP / DEA, every email sent out must bear a footer which includes an email disclaimer. The disclaimer legally protects the EPIP / DEA against malicious use of words by the email sender by disengaging the views of the sender from those of the organisation.

The protection extends to viral infections caused by an email or attachment from the EPIP / DEA. A network administrator and / or IT support must be consulted to implement the email footer and how to configure a vacation responder. The footer may be programmed to include hyperlinks.



MEDIA APPLICATIONS

LOGO AND PROJECT IDENTIFICATION

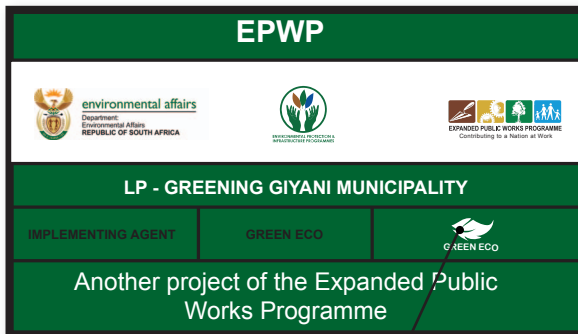
The branding guidelines in this manual are to be strictly adhered to, on all of the garments, publications, branding and promotional items.

All branding material produced by Implementers must be signed off by the

DEA Director of Corporate Communication, or a delegated official of Corporate Communication.

Email: communications@environment.gov.za to obtain sign-off.

Sign board



Implementers logo

MEDIA APPLICATIONS

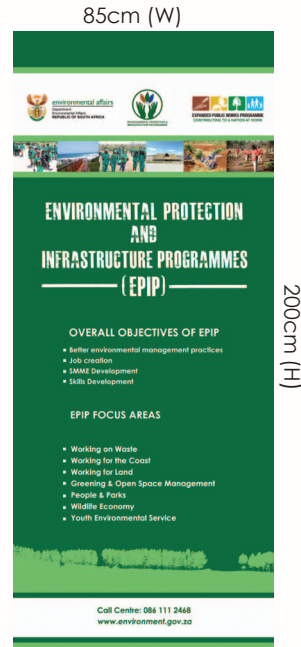
POSTERS

Posters come in different sizes ranging from A4, A3, A2, A1 and A0. The logo placement must be 1/8th of the poster height. Officially accredited EPIP pictures are used. These pictures may be edited.



Pull Up (850 x 1850) Wall Banner (4x3m) The EPIP can use any banner type and style, of which there are multitudes, however, the basic design principle of the artwork shall always apply. To illustrate this principle, if a single banner e.g. a pull up is used, it is ideal to pick a theme, say 'Job Creation' then the entire banner design revolves around 'Job creation'.

To complete the EPIP using pull up or roll up banners, 3 will have to be done in order to complete EPIP's mandate. A wall banner, preferably 4 x 3m, can be used to provide a complete view of the EPIP. The banner may be printed on fabric [internal use only] or canvas [internal & exterior use]. All other types, teardrop, Aframes, etc... are to be designed around the single theme concept.

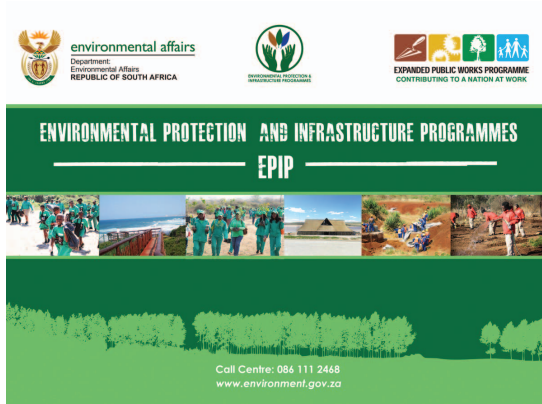


Pull Up Banner

MEDIA APPLICATIONS

BANNERS

300cm W x 225cm H



Wall Banner

200cm W x 90cm H



Pop-up Banner

300 cm X 300cm



BROCHURES

Portrait Brochure

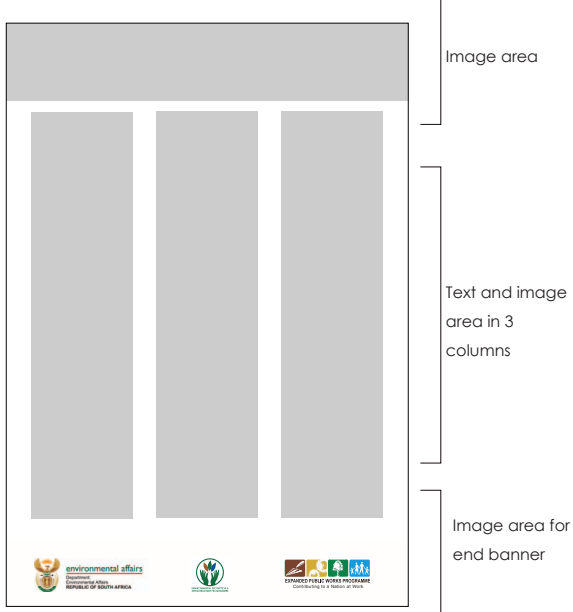


Landscape Brochure

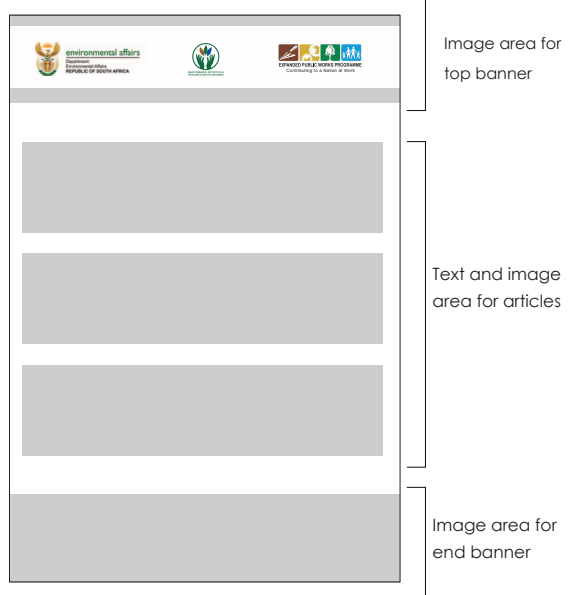


NEWSLETTERS

Printed Newsletter



Electronic Newsletter



MEDIA APPLICATIONS

WEBSITE

The EPIP website must be designed on a CMS, Content Management System platform. The CMS is a non-static website that allows the website administrator to alter and update content accordingly. Fundamental features of the website include a dynamic link to social networking sites and video portals, enrolment to the electronic

The site is designed in a simple and basic manner to allow web browsers to easily access information, however, the EPIP may adopt any other design that upholds similar theme and look & feel.



UMBRELLAS

Solid green, blue, black or brown umbrellas must be used, of any design. The colour of the umbrella must resemble as close as possible the pantone equivalence.

A solid white logo must therefore be used on 2 opposite panels. Informative text is not recommended in this instance.



CORPORATE CLOTHING

HEAD GEAR

Head gear may be caps, sun hats or berets, the simple branding principle of solid colour by either white or black one colour logo always applies. This form of branding enhances visibility. An orange colour headgear may also be used, the orange is closely extracted from the coat

of arms and is to be used in outdoor activity where easy identification or spotting may be necessary e.g. working at a thick forest, using inmates, etc... The EPIP logo is embroidered onto the headgear's fabric.



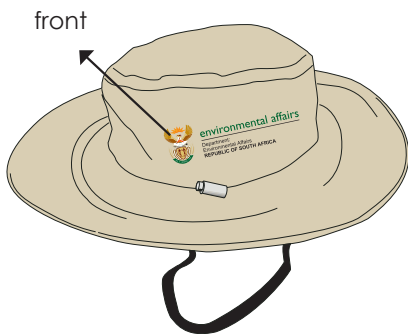
front



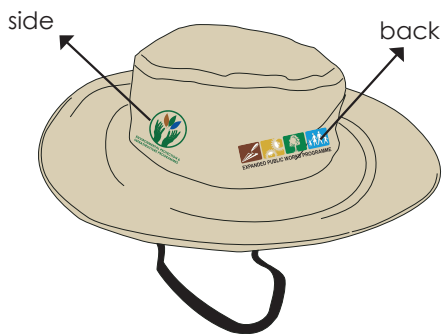
side



back



front



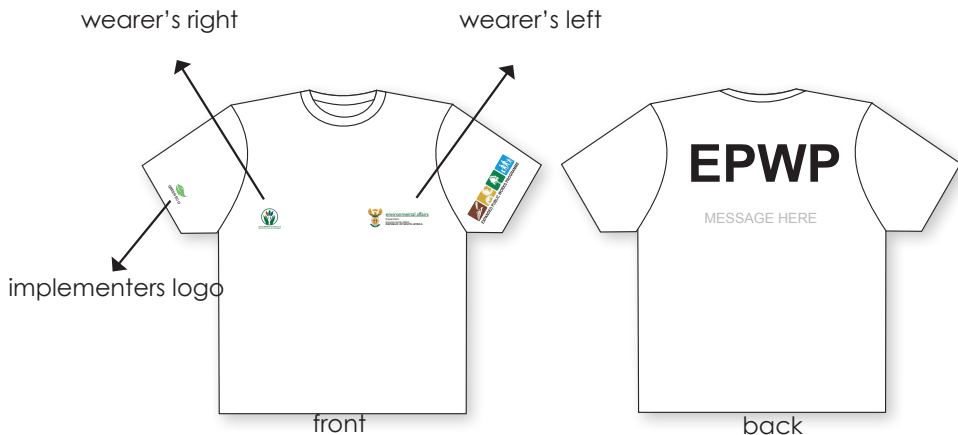
side

back

CLOTHING BRANDING GUIDELINES

The EPIPT-shirts will range from round necks to golf shirts, depending on use, quantity and recipients. Solid colours of Green may be used with the appropriate logos in full colour. The logo must be silk screened onto the front of the shirt. If necessary, a message may also be incorporated at the back of the shirt beneath the EPWP lettering. This use is recommended for round necks only. Corporate golf shirts and formal shirts

must have the full colour logo embroidered onto the left breast or pocket. The EPIP jackets will adopt this style of branding as well. Embroidery logo size will be recommended or determined by the embroidery. Logos which are sewn on as a patch are not recommended due to the wear and tear. Good quality T-shirt material is recommended, eg a minimum of 180g/m. T-shirts may be white, green or yellow.



CORPORATE CLOTHING

CLOTHING BRANDING GUIDELINES

Golf shirts



CORPORATE CLOTHING

CLOTHING BRANDING GUIDELINES



Jacket



Formal shirt

CORPORATE CLOTHING

PROJECT PROTECTIVE CLOTHING

All projects should comply with the requirements applicable for protective clothing. The colour of the protective clothing **MUST** be GREEN. Hard hats may be green, white or yellow. Logos **MUST** be used as illustrated below. The logos may be full colour or white, and, in the event the colours are clashing and

being absorbed by the solid overall colour, the full colour system may be implemented using badges, i.e. the logo is printed on a solid white back cloth/background and then sewn/paste onto the overall. Same guidelines apply in case of any project-related clothing branding (e.g. shirts, T - shirts, etc...)

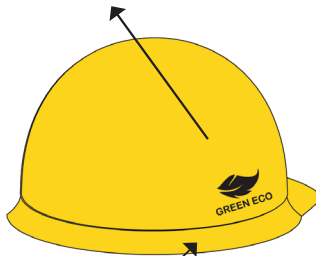


PROJECT PROTECTIVE CLOTHING - HARD HATS

front



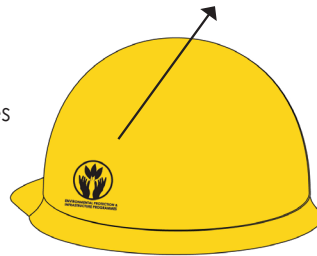
wearer's right



implementers logo

sides

wearer's left



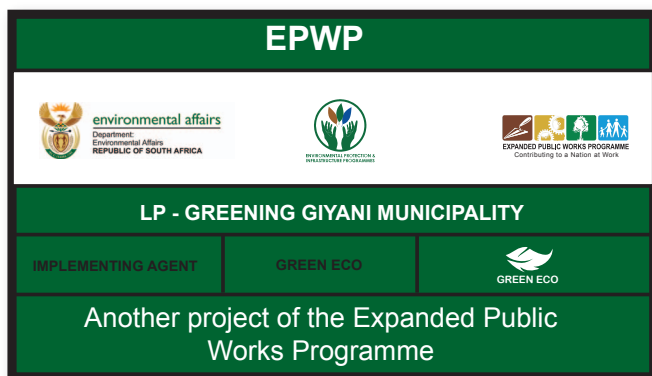
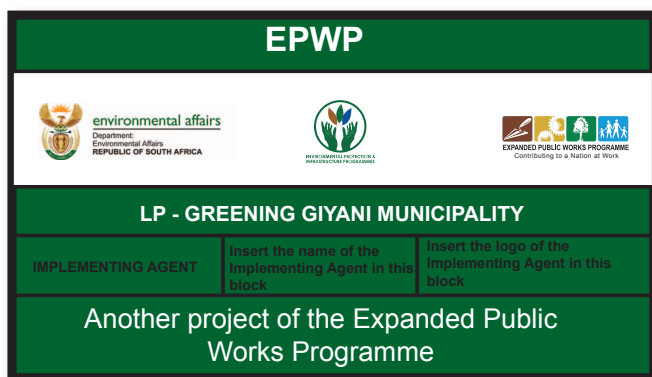
back

SIGNAGE

SIGN BOARDS

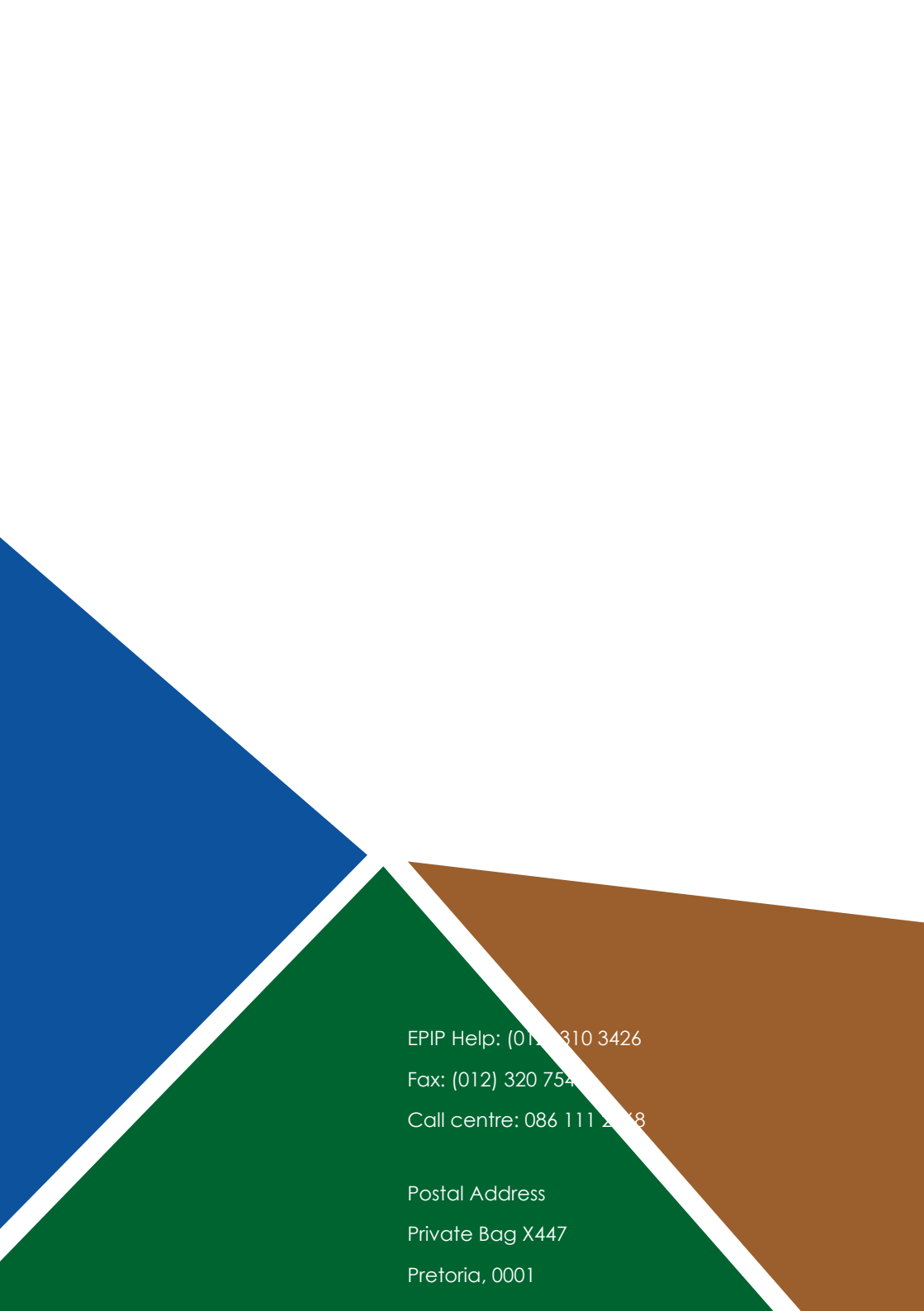
All projects sites must be branded accordingly as per the prescribed guidelines illustrated below. The background colour for the sign boards must be GREEN. These are prescribed standards and

deviation should be sought from the responsible Provincial Project Manager. **NB. Note that the size of the Logo of the Implementing Agent CANNOT be bigger than that of the Department, EPIP & EPWP.**



Notes

[illegible]



EPIP Help: (012) 310 3426

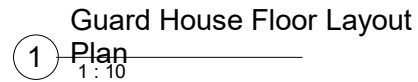
Fax: (012) 320 7546

Call centre: 086 111 2008

Postal Address

Private Bag X447

Pretoria, 0001



GUARD HOUSE : 13m²

BLOCK	NAME	AREA m ²	FAR	COVERAGE
	GUARD HOUSE	13 m ²		
	Office Area	8 m ²		
	Toilet	2 m ²		

NOTES:

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Email: patsonqs@gmail.com



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

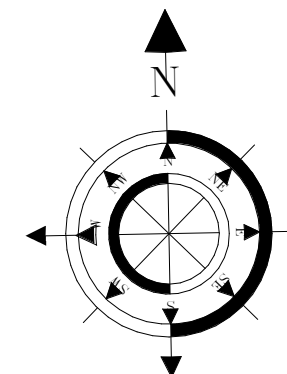
Project Name:	Projek Naam
SWILE MAVOKWENI GAME LODGE	

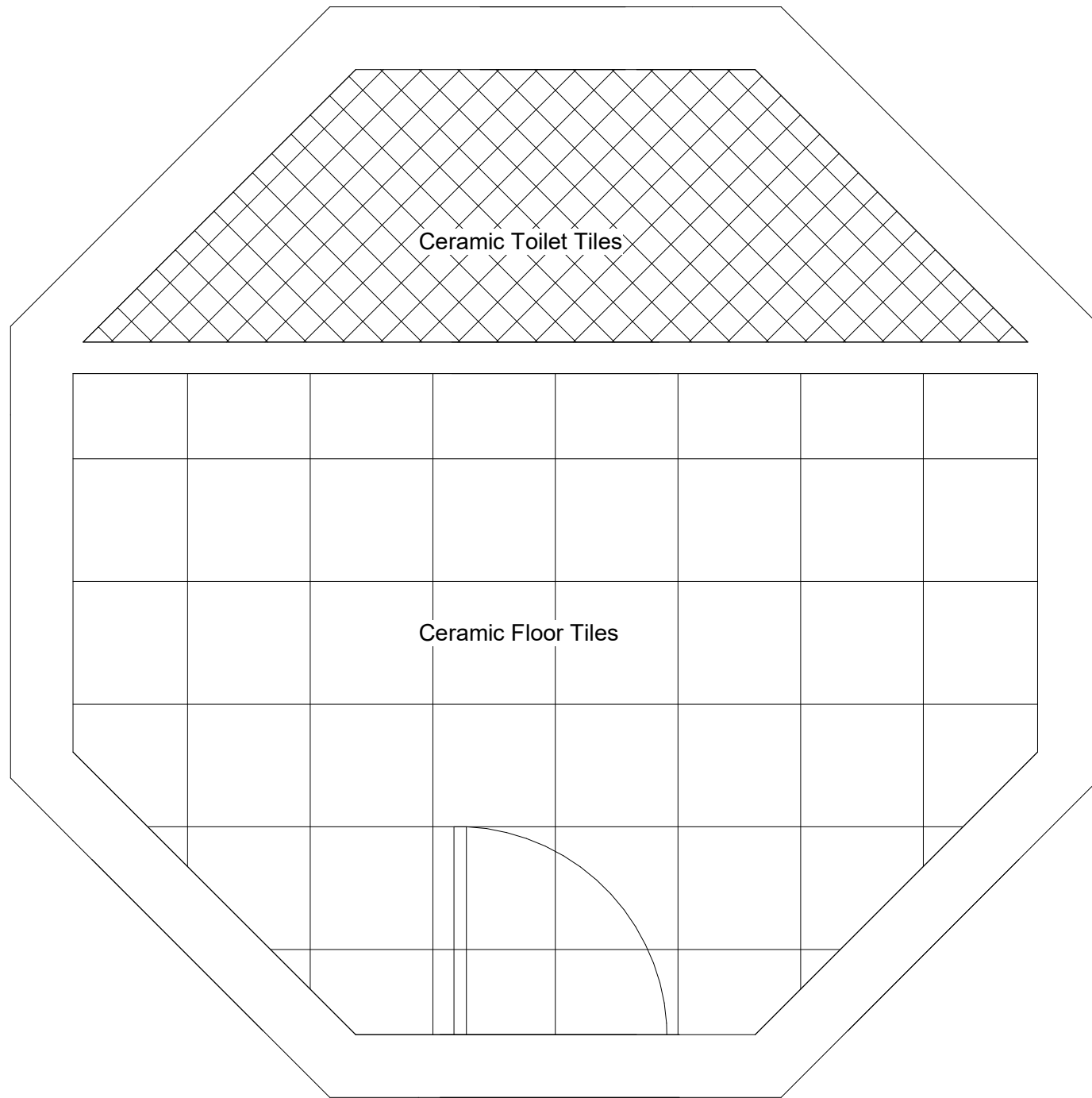
Floor Layout Plan

J049-DEA-100-02

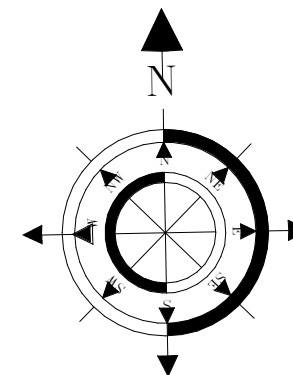
Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
As indicated	Getekend Drawn	Anthony B.U.E.	Issue Date
	Nagesien Checked	Checker	Issue Date

APPROVED / GOEDGEKEUR DATE / DATUM





1 Guard House Floor Tiles
Layout
1:10



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REVISIONS/WYSIGINGS

Wysiging Revision	Beskriving/Description	Datum Date

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Email: patsonqs@gmail.com

NELSPRUIT

Client: _____ Klient: _____

 **environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam: _____

SWILE MAVOKWENI GAME LODGE

Drawing Name: _____ Tekening Naam: _____

Floor Tiles Layout

Drawing No: _____ Tekening Nr.: _____

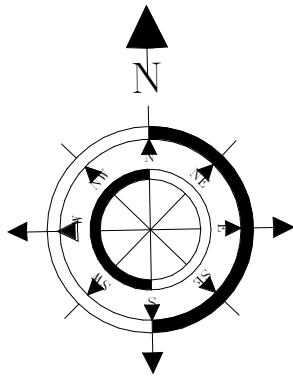
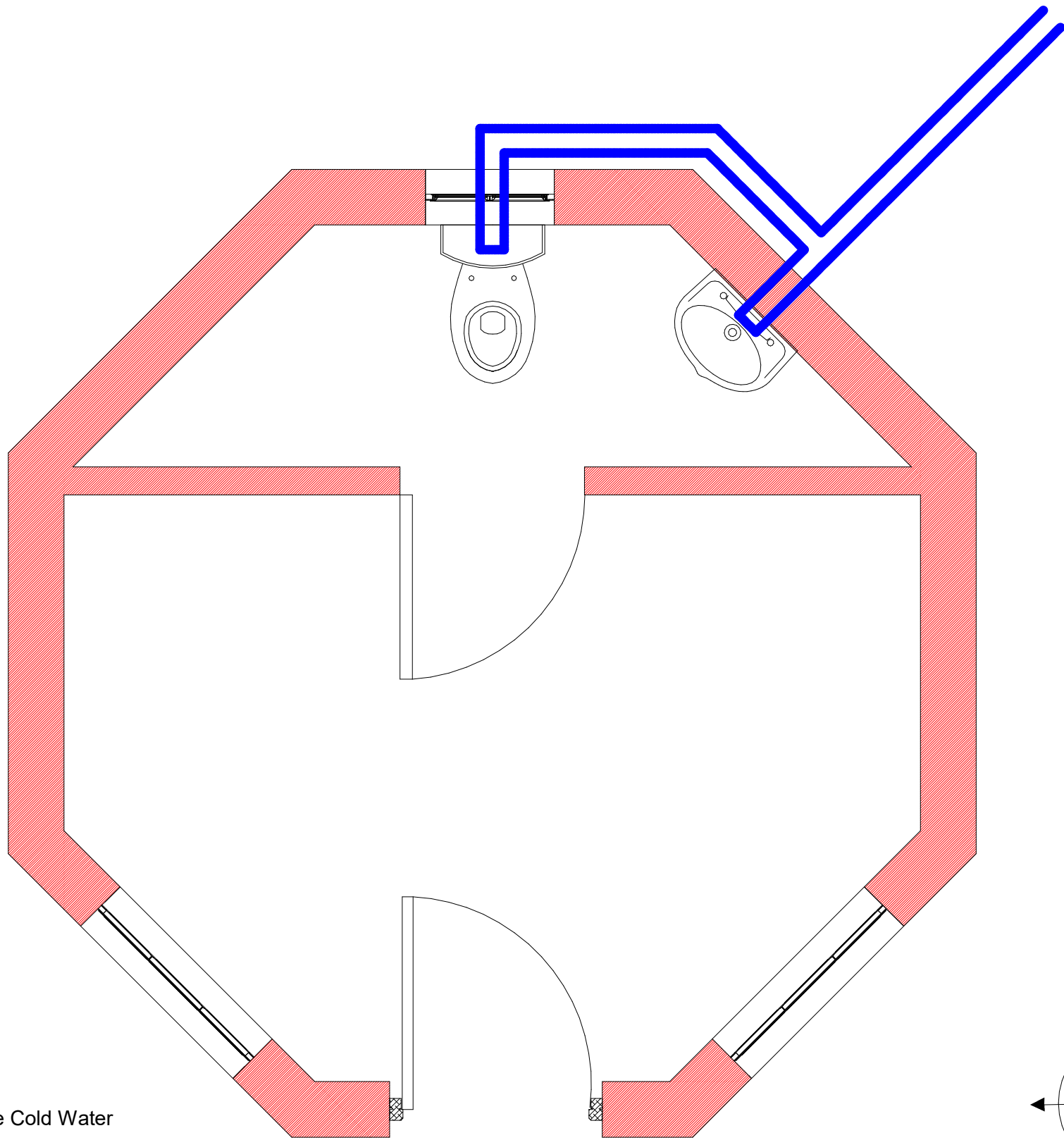
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	Nagesien Checked	Checker	Issue Date

APPROVED / GOEDGEKEUR _____

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ClientKliënt

**environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name:Tekening Naam

Cold Water Layout Plan

Drawing No.Tekening Nr.

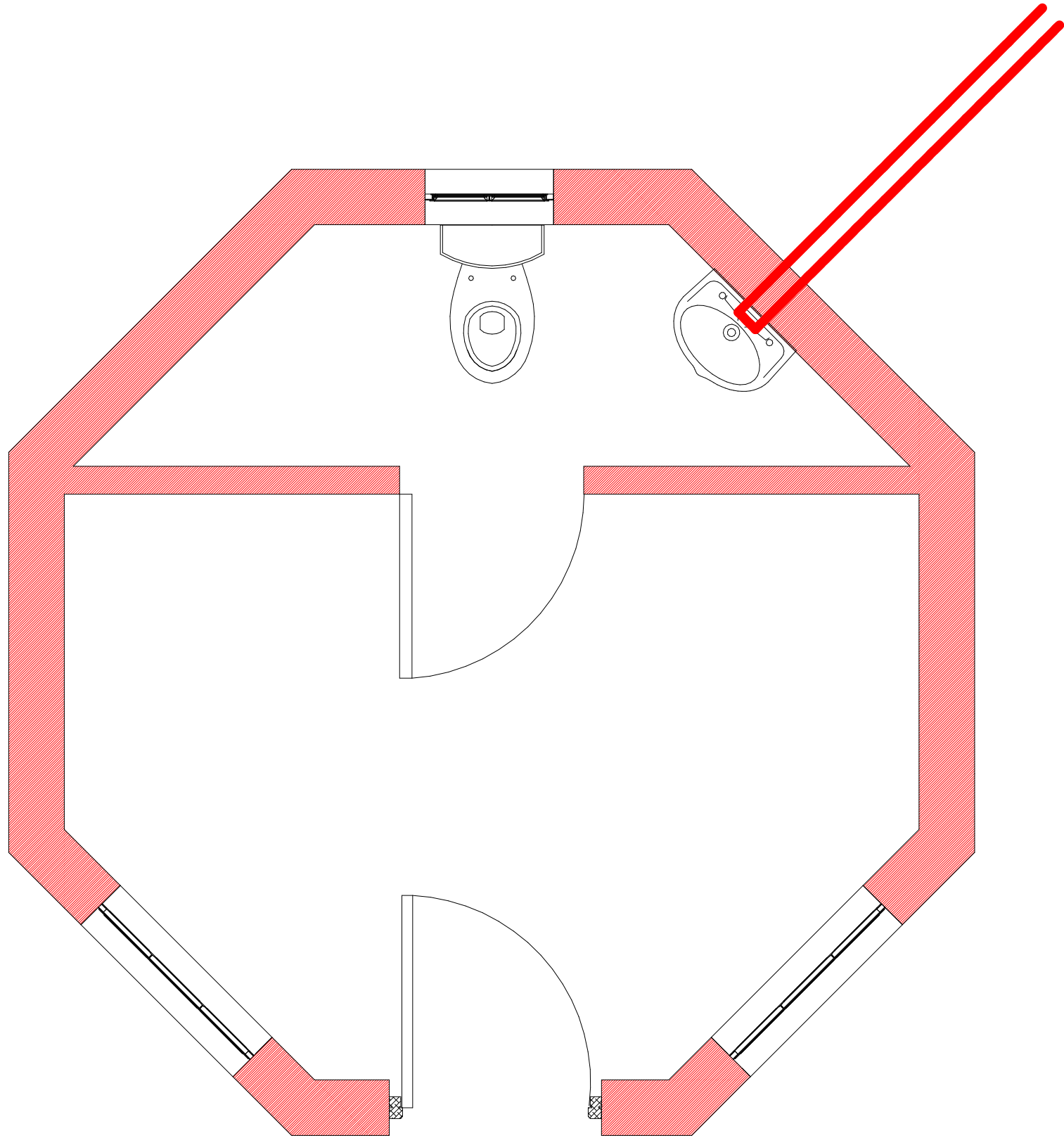
J049-DEA-100-03

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	Nagesien Checked	Checker	Issue Date

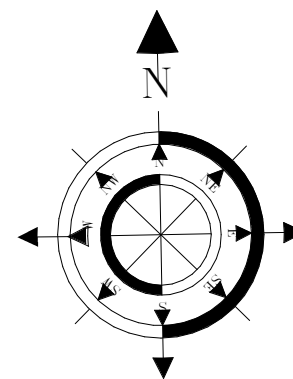
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DATE / DATUM

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1 Guard House Hot Water Layout Plan
1:10



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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Client

Project Name: Projek Naam
SWILE MAVOKWENI GAME LODGE

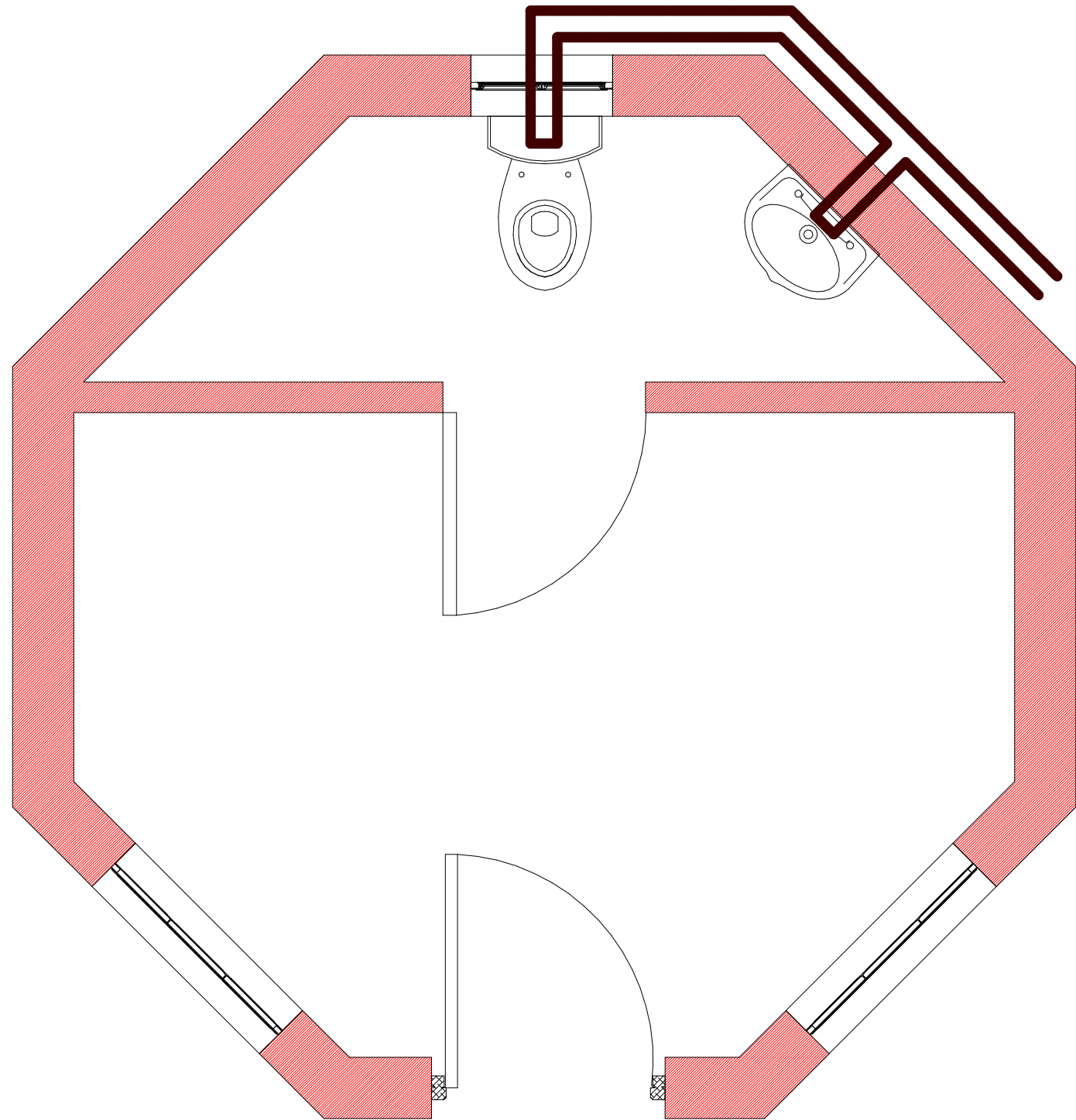
Drawing Name: Tekening Naam
Hot Water Layout Plan

Drawing No. Tekening Nr.
J049-DEA-100-04

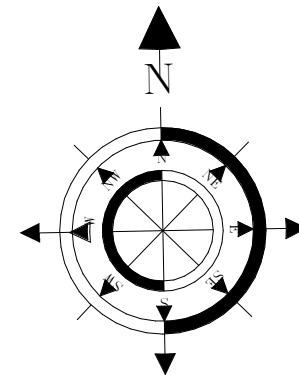
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As indicated	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagaan Checked	Checker	Issue Date

APPROVED / GOEDGEKEUR _____ DATE / DATUM _____

5/18/2021 10:15:33 AM



1 Guard House Sewer Layout
Plan
1:10



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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam: _____

SWILE MAVOKWENI GAME LODGE

Drawing Name: _____ Tekening Naam: _____

Sewer Layout Plan

Drawing No. _____ Tekening Nr. _____

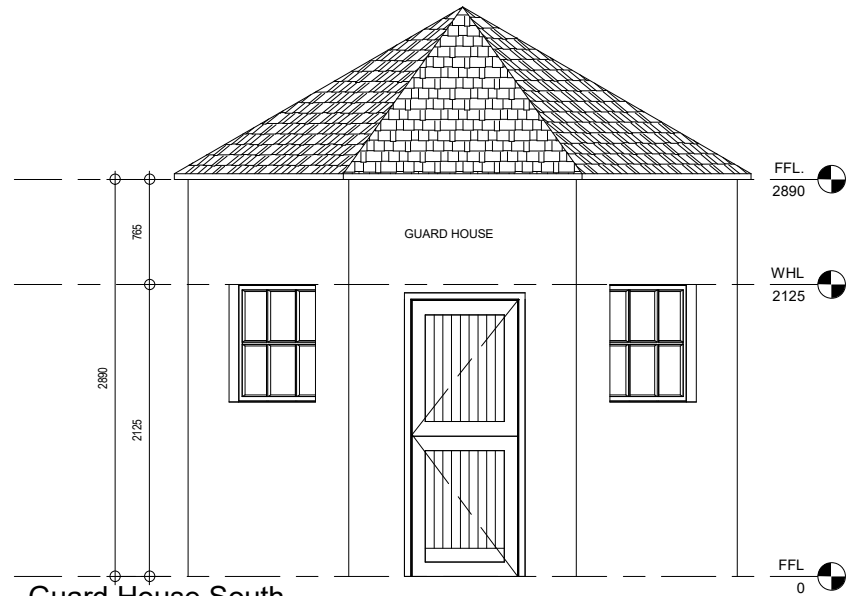
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	Nagesien Checked	Checker	Issue Date

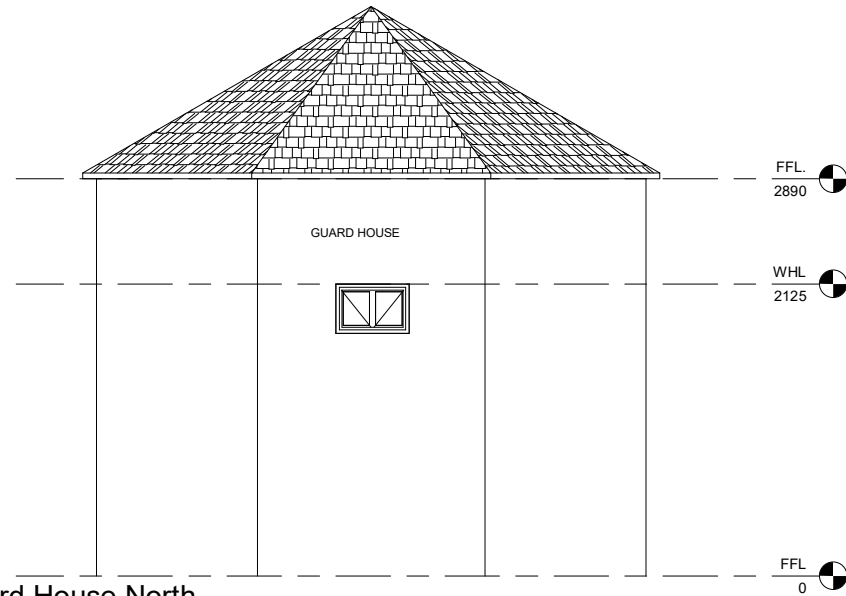
APPROVED / GOEDGEKEUR _____

DATE / DATUM _____

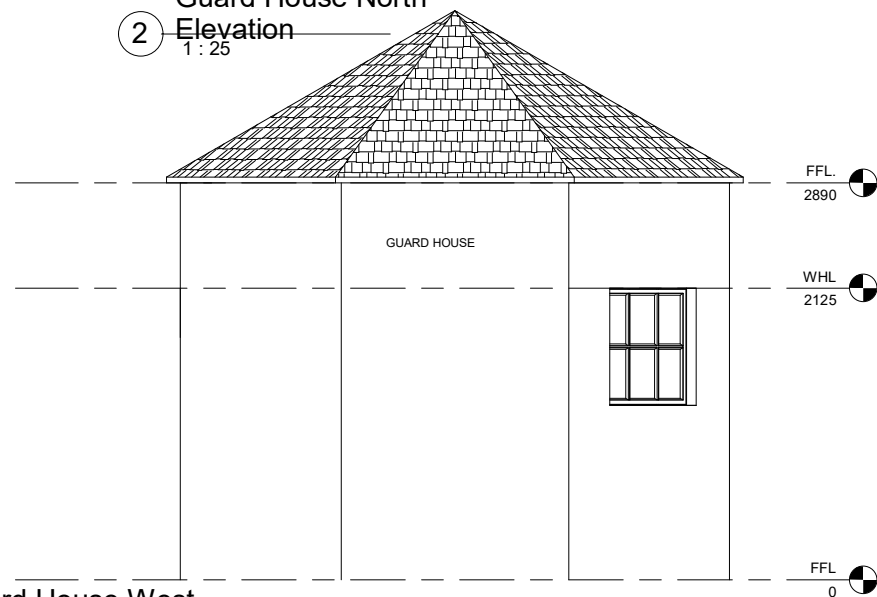
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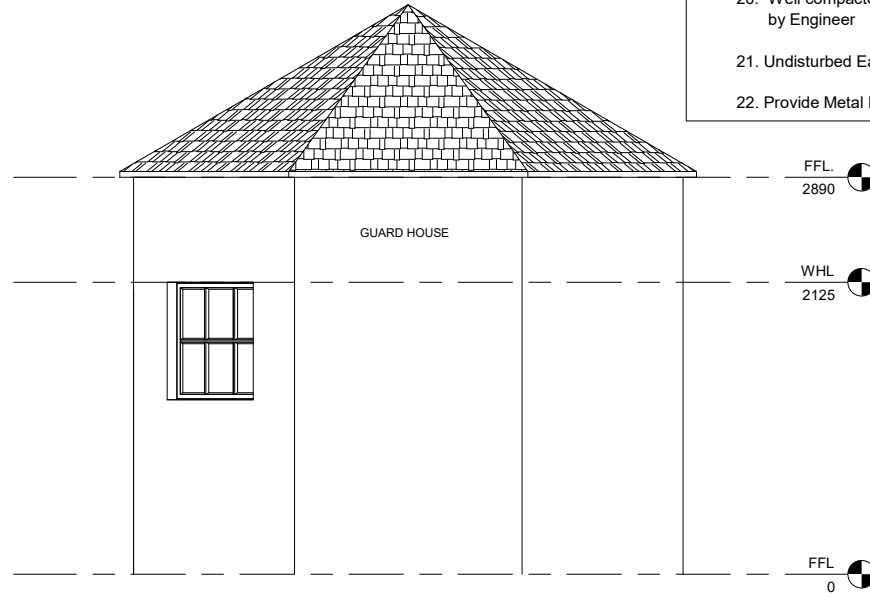
1 Guard House South Elevation
1 : 25



2 Guard House North Elevation
1 : 25



4 Guard House West Elevation
1 : 25



3 Guard House East Elevation
1 : 25

NOTES:

Sealant to be non woven polyester G2 or G3 membrane . Top coat - UV resistant flexible acrylic available in black, charcoal, core or red to employers choice.

1. Roof pitch as indicated

0.8mm Profiled Sheetmetal Ridge Capping, Sealed to Manufacture spec(Chromadek)

3. Profiled roof sheeting on purlins.

4. 75x50mm S.A Pine Purlins at 700mm c/c on Timber Truss.

2. Provide S.A.B.S Approved Waterproofing Membrane Above Roof Trusses acc to Manufacture's spec.

6. S.A Pine Roof Trusses at 1000mm c/c on Wall Plate. Treat All Exposed Timber with approved applicant to Manufacture 's Spec.

7. 114x38mm S.A Pine Timber Wall Plate.

8. 225x15mm Fibre Cement Fascia Board or Other Equal approved.

9. Ceiling Refer To Finishing Schedules.

10. Approved face brick with 5mm recessed raked joints.

11. Windows Refer to Window Schedules.

12. Door refer to Door schedule

13. Reinforced brickwork lintols reinforced with X2 6.4mm Ø steel bars horizontally with bentwire stirrups bedding in every third vertical joint along the length of the soldier course.

14. Skirting Refer to Finishing schedules.

15. Floor as per schedule on 40mm screed on concrete slab.

16. 85mm thick Concrete slab on S.A.B.S Approved termite poisoning USB Green water proofing Membrane to Engineer's details

17. S.A.B.S approved D.P.C to Manufacture Spec.

18. 75mm thick apron around building with expansion joints every 3m² width fall away from building.

19. Foundation to Engineers details and Approval.

20. Well compacted consolidated laterite hardcore by Engineer

21. Undisturbed Earth.

22. Provide Metal Flashing

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PATSON & PARTNERS

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NELSPRUIT

Client



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Kliënt

Project Name:	Projek Naam
SWILE MAVOKWENI GAME LODGE	
Drawing Name:	Tekening Naam
Elevation	
Drawing No:	Tekening Nr.
J049-DEA-200-01	

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
As indicated	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagesien Checked	Checker	Issue Date

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5/18/2021 10:19:53 AM

0.8MM Profile IBR ROOF SHEETING
COATED EXTERNALLY AND GALVANIZED EXTERNALLY
@ 18" ON INSULATION ON 38x38mm S.A PINE PURLINS
@ 800mm C/Cs ON PREFABRICATED
TIMBER TRUSSES @950mm CENTRES MAX. ROOF TO
COMPLY WITH PART KK13 OF SANS 10400

6MM GYPSUM CEILING BOARDS FIXED
TO 25 x 38 SHIP BATTENS
100MM THICK (2.33 THERMAL RESISTANCE "R" VALUE)
NON-COMBUSTIBLE FLEXIBLE LIGHTWEIGHT POLYESTER FIBRE
AND FOL INSULATION BLANKET TO BE FIXED FROM THE TOP
SANDWICHED BETWEEN THE ROOF TRUSS SYSTEM AND 600
PROFILE ROOF SHEETING AND LAD LOOSE BETWEEN PURLINS

CLIMBERED ROOF VENTILATION PLATE ABOVE
BARGE BOARD
200 x 100mm BRICK PIER TO ENGINEERS
DETAILS

NOTE: (1) SHOW CAVITY WALL WITH BRICKWORK COURSE
COURSE BELOW WALL EVERY 3RD COURSE ABOVE
FLOOR SLAB AS WELL AS REVERSE COURSE FOR 3
COURSES ABOVE LEVEL. ONLY COMPARE WALL
TIES FOR FULL HEIGHT OF WALL (1.00 METRE) AND
STANDARD, STRENGTH ONE AT BOTTOM OF CAVITY
WITH 100mm BRICK VENTILATION PLATE ABOVE CAVITY
(2) VERTICAL MORTAR JOINTS

1 Section A-A
1 : 20

2 Section B-B
1 : 20

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Wysiging	Beskrywing/Description	Datum
Revision		Date



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NELSPRUIT

Client



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:

SWILE MAVOKWENI GAME LODGE

Drawing Name:

Sections A-A & B-B

Drawing No:

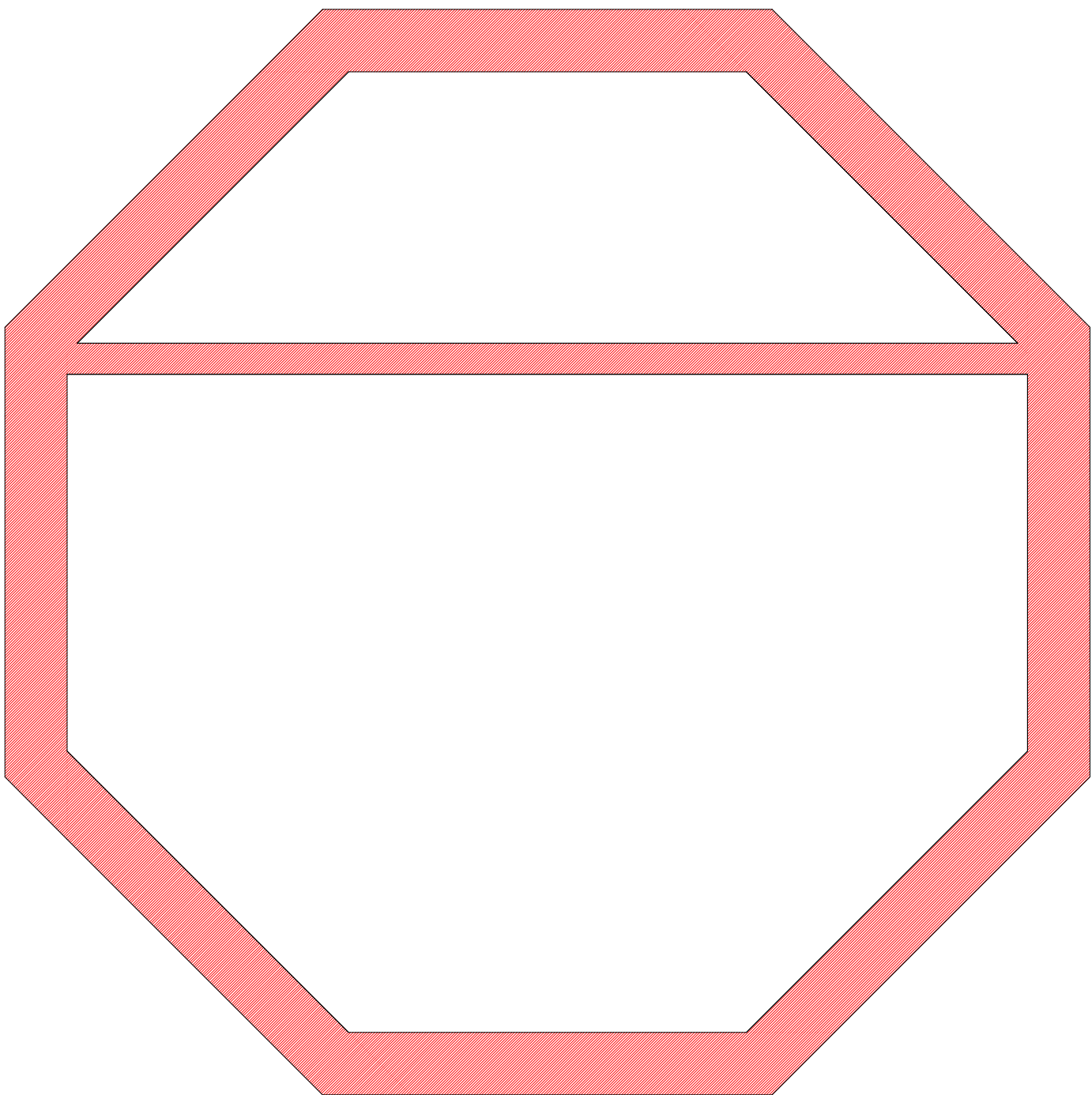
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			Checker	Issue Date

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1 Guard House Ceiling Layout
Plan
1:10

LEGEND

A

Must Comply With SABS 10400

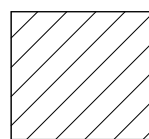
SUSPENDED CEILING TO BE FORMED OF 13mm VINYL CLAD GYPSUM TILES FINISH IN GENERALLY 600 X 600mm PANEL SUPPORTED ON "DONN" T32 BEARER AT 606mm CENTRES IN ONE DIRECTION "DONN" T32 BEARERS AT 1206 CENTRES IN OTHER DIRECTION. THE BEARERS FINISHED WITH CAPPING OF ALLUMINUM PRE-PAINTED LOW SHEEN SATIN TO MATCH COLOUR OF CEILLING TILES AND SUSPENDED 200mm BELOW STEEL.

B

FIBER CEMENT CEILING



CEILING PANELS
STANDARD
600 TO 600mm



CUT CEILING

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Wysiging Revision	Beskrywing/Description	Datum Date

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Email: patsonqs@gmail.com

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ClientKliënt

**environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name:Tekening Naam

Ceiling Layout Plan

Drawing No.Tekening Nr.

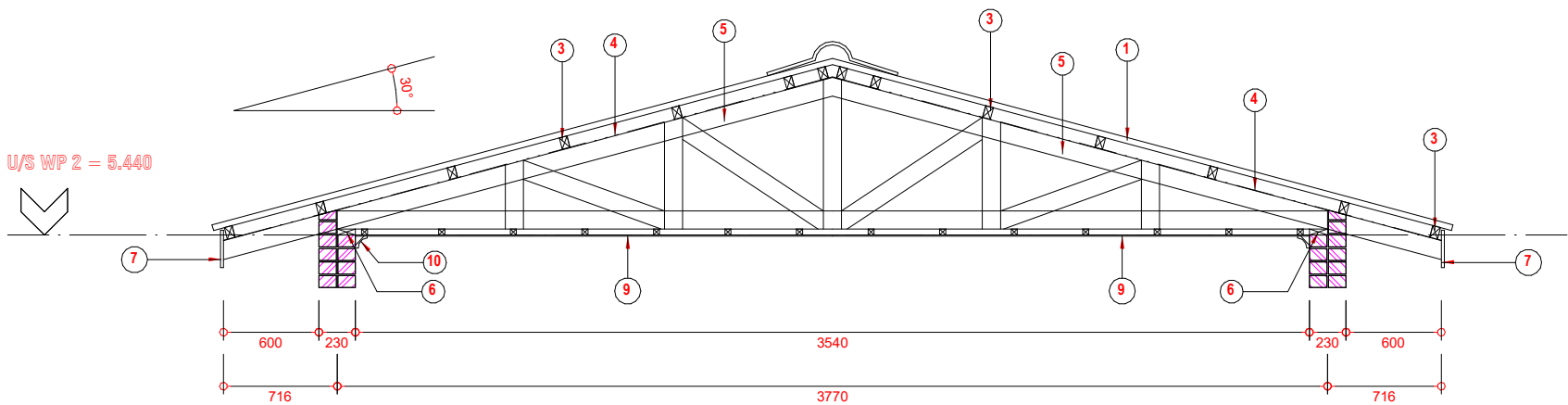
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ROOF TRUSS TYPE "C"
SCALE 1 : 20

Guard House Roof Truss
Details
1 : 20

- NOTES:
Sealant to be non woven polyester G2 or G3 membrane .
Top coat - UV resistant flexible acrylic available in black, charcoal,core or red to employers choice.
1. Profiled roof sheeting on 75x50mm
SA pine purlins on prefabricated roof structure. treat
all exposed timber with approved applicant.
 2. Proved Fibre Cement Barge Boad
 3. 75x50mm S.A pine Timber Purlins at 700mm
c/c on timber trusses.
 4. 0.5mm thick SABS Approved water proofing membane
 5. 114x38mm S.A pine Timber Trusses at
1200mm c/c on wall plate
 6. 114x38mm S.A pine Timber wall plate
 7. 225x15mm Fibre cement fascia board
or other equal approved
 8. 38x38mm S.A pine Timber Brandering at 450mm c/c
minimum
 9. 6mm thick Fibre cement ceiling to finishing schedule
 10. Cornice to finishing schedule
 11. Provide Head and Counter Metal Flashing
 12. 152x89mm Timber Rafters, Roof Truss
Members to Engineer's Details and Spec
 13. Reinforced Concrete Gutter to Engineer's Details and
Spec
 14. 120x55mm Channel fixed to Details
 15. Profiled roof sheeting

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environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:	Projek Naam
SWILE MAVOKWENI GAME LODGE	

Drawing Name:	Tekening Naam
Roof Truss Details	

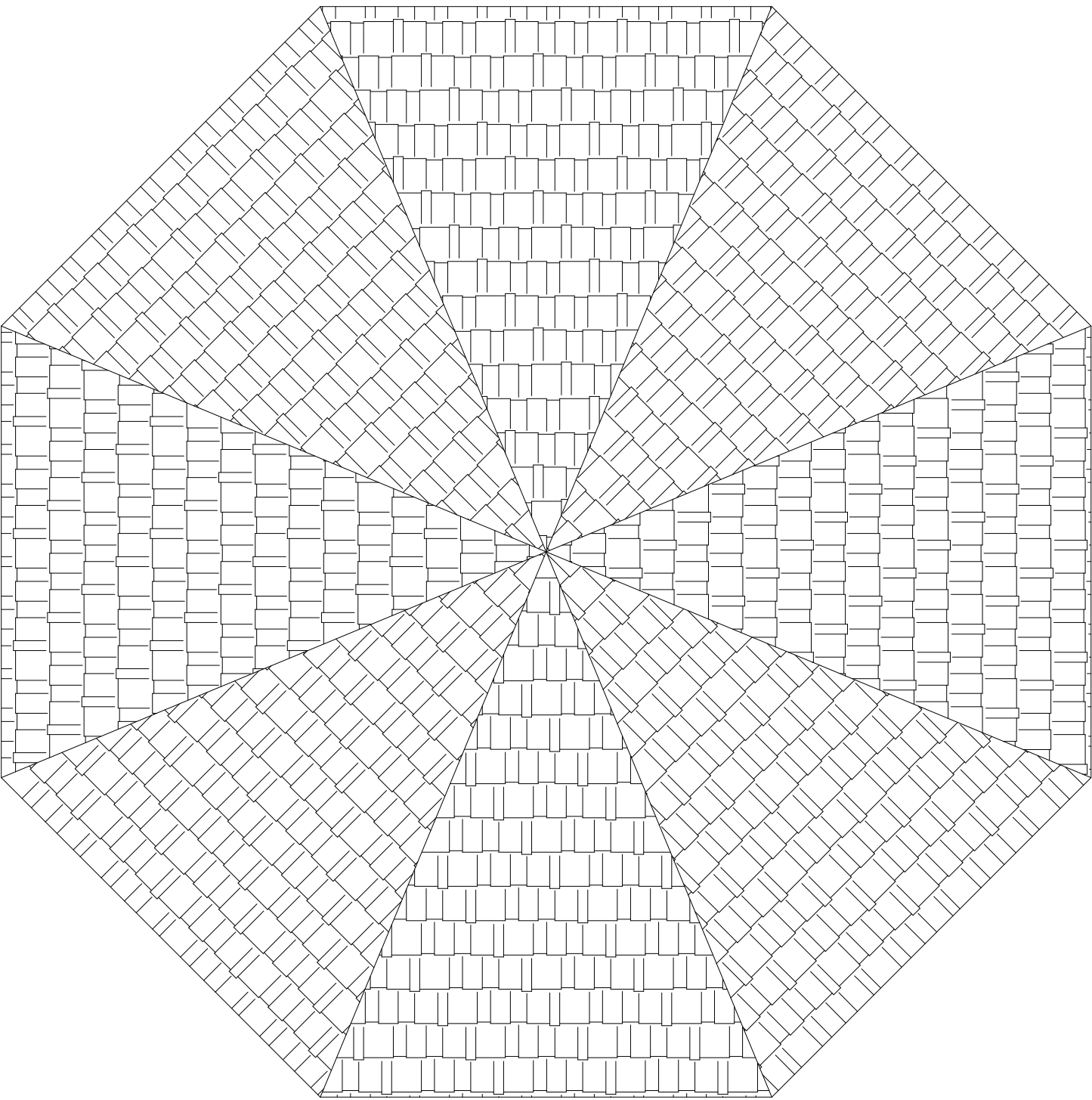
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As indicated	Geteken	Anthony B.U.E.	Issue Date
	Drawn		Issue Date
	Checked	Checker	Issue Date

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5/18/2021 10:38:59 AM



1 Guard House Roof Layout Plan
1:10

NOTES

- 1. Fibre Cement Facia
- 2. Wood Float Plaster And Paint
- 3. Truss By Specialist

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Project Name:

Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name:

Tekening Naam

Roof Layout Plan

Drawing No.

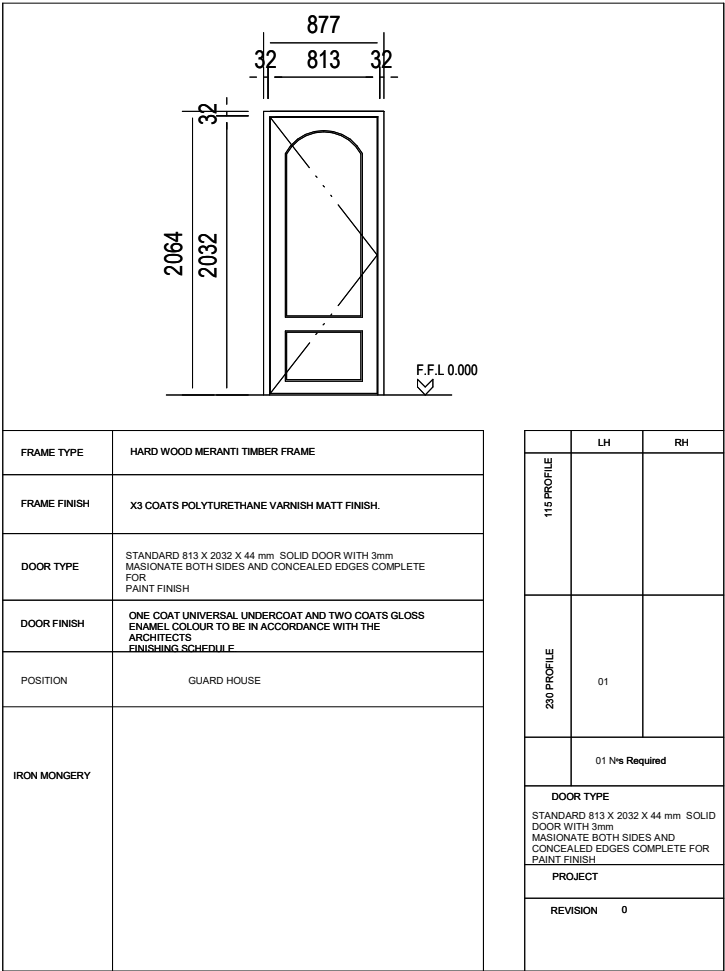
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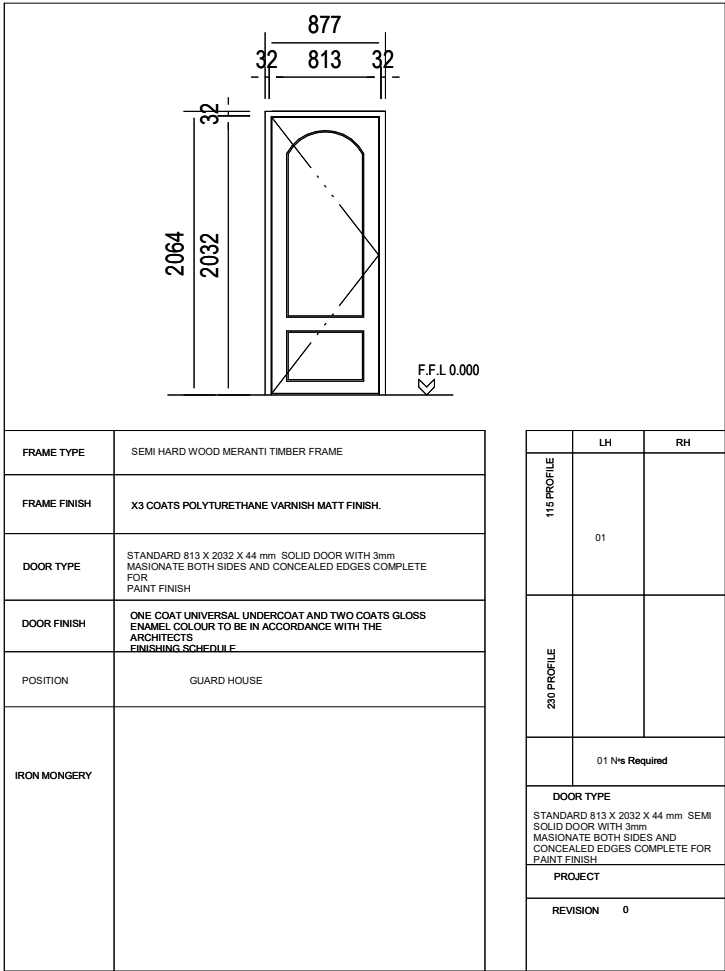
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1 Main Door Schedule
1 : 25



2 Toilet Door Schedule
1 : 25

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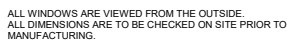
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Project Name:	Projek Naam
SWILE MAVOKWENI GAME LODGE	
Drawing Name:	Tekening Naam
Door Schedule	
Drawing No:	Tekening Nr.
J049-DEA-400-02	
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Geteken Drawn	Anthony B.U.E.
Naargiesien Checked	Checker
Issue Date	Issue Date

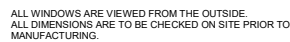
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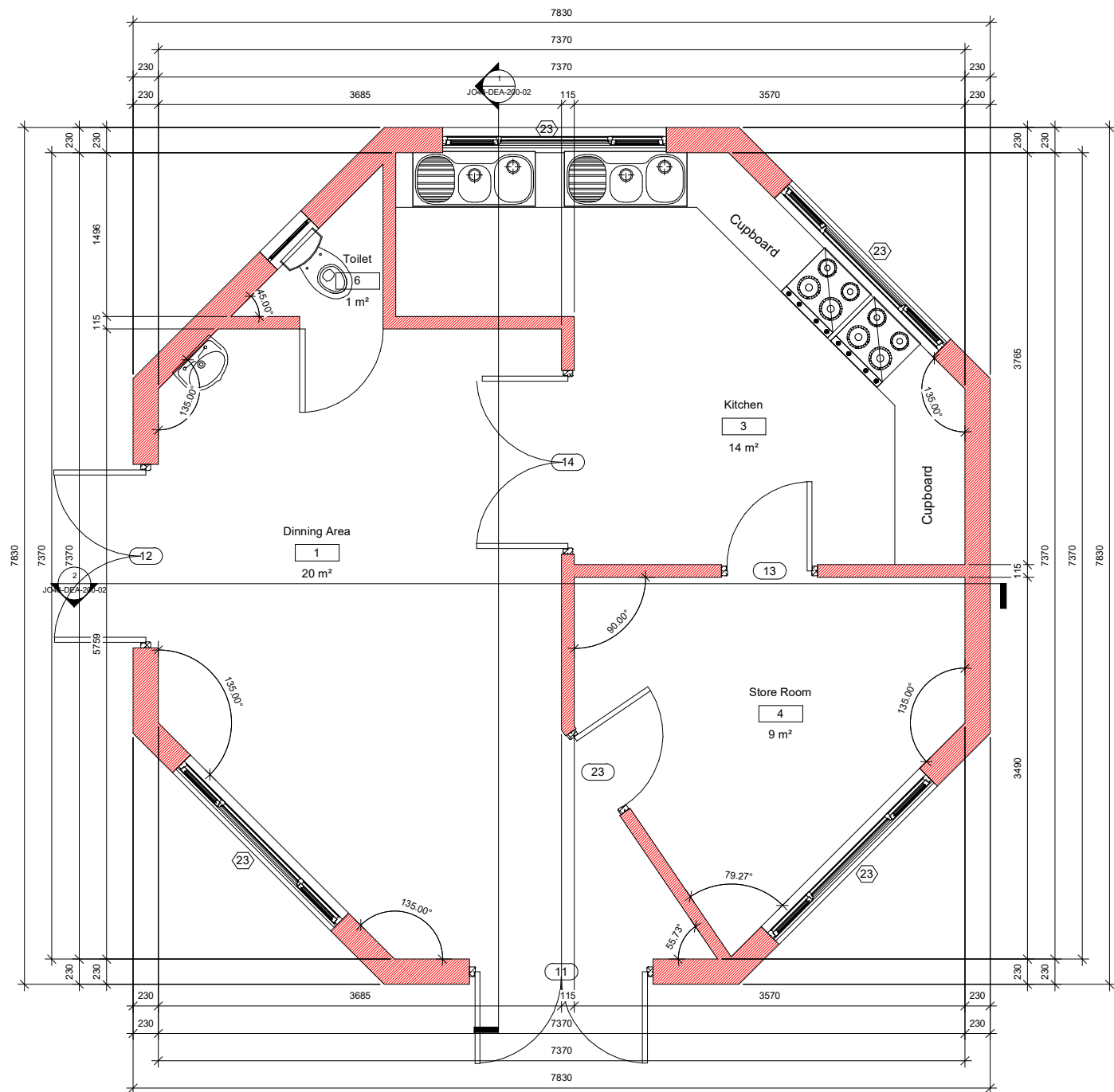
1

1 : 25



2

1 : 25



KITCHEN				
KITCHEN : 51m ²				
BLOCK	NAME	AREA m ²	FAR	COVERAGE
KITCHEN		51 m ²		
	Dinning Area	20 m ²		
	Store Room	9 m ²		
	Cooking Area	14 m ²		
	Toilet	1 m ²		

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REPUBLIC OF SOUTH AFRICA

Project Name: Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Floor Layout Plan

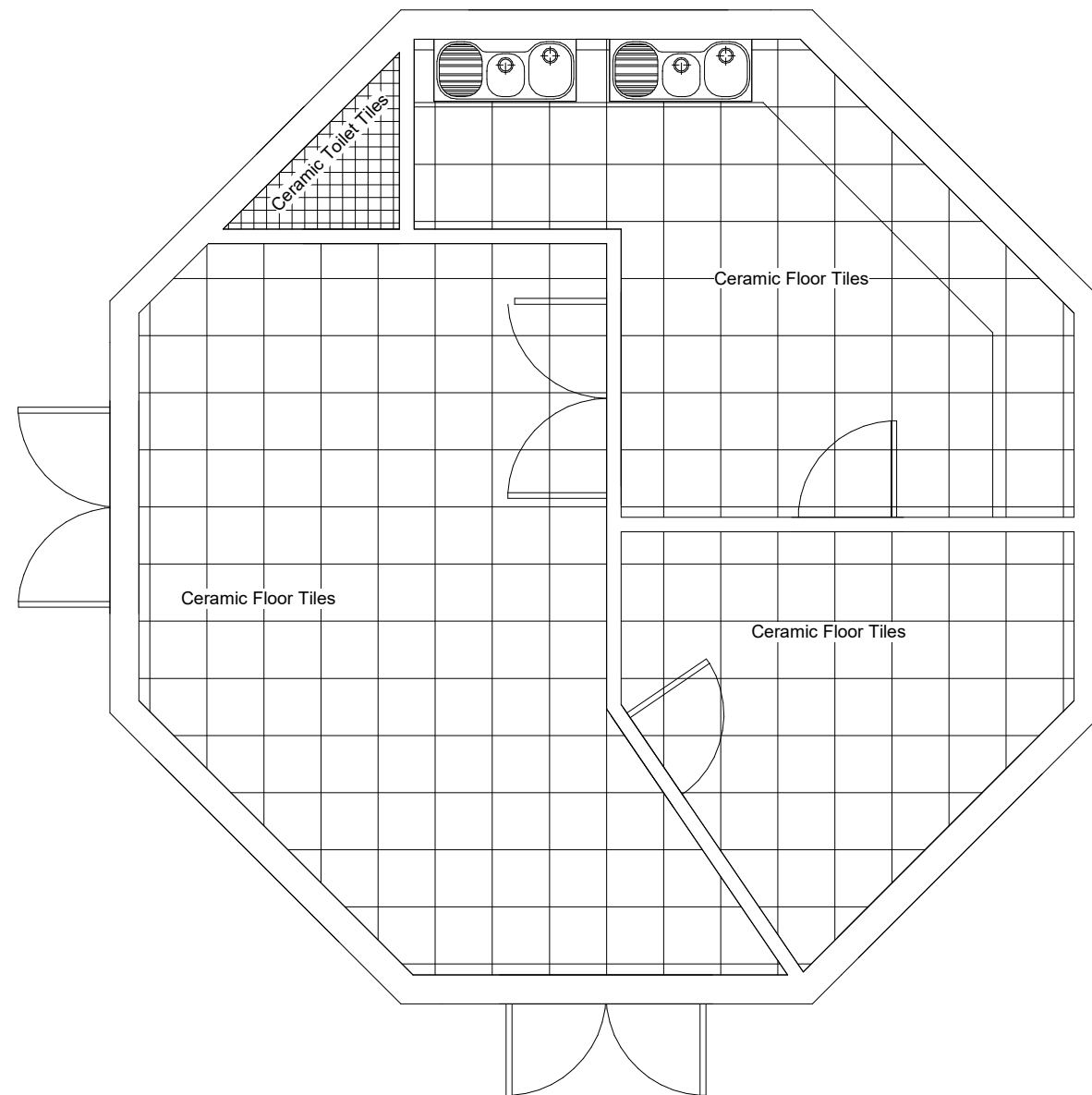
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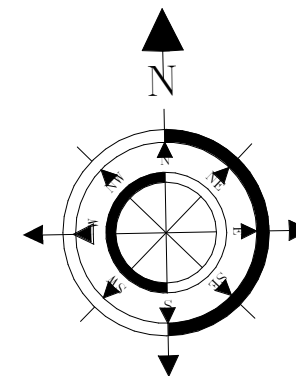
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1 Kitchen Floor Tiles Layout
1 : 25



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Project Name: _____ Projek Naam _____

SWILE MAVOKWENI GAME FARM

Drawing Name: _____ Tekening Naam _____

Floor Tiles Layout

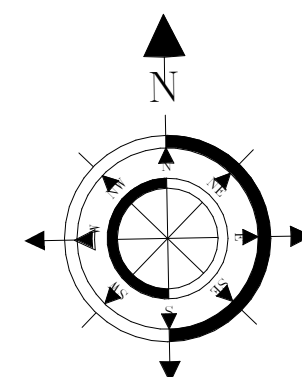
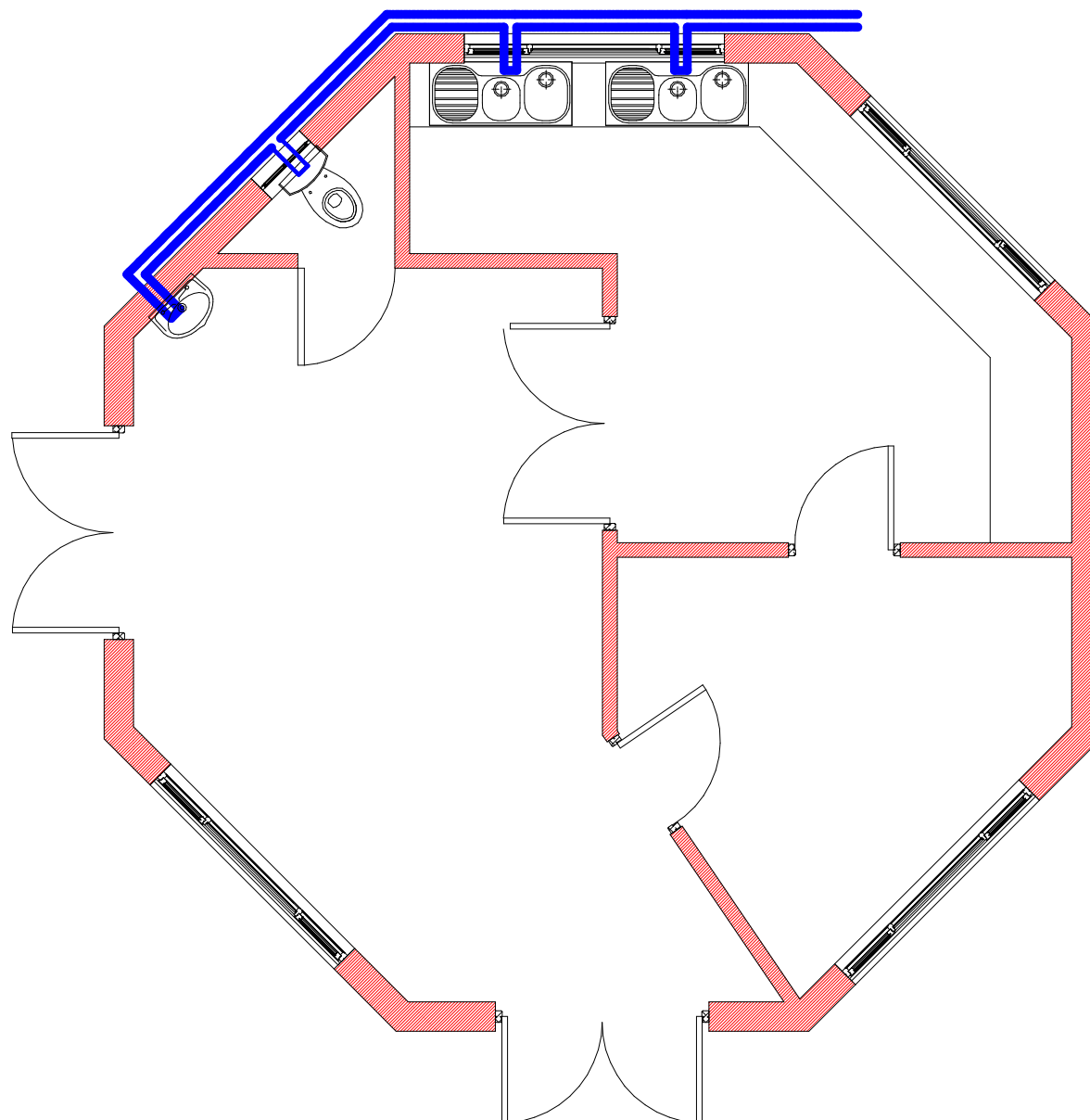
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1 Kitchen Cold Water Layout
Plan
1 : 25

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SWILE MAVOKWENI GAME LODGE	

Project Name:	Project Naam
SWILE MAVOKWENI GAME LODGE	

Drawing Name:	Tekening Naam
Cold Water Layout Plan	

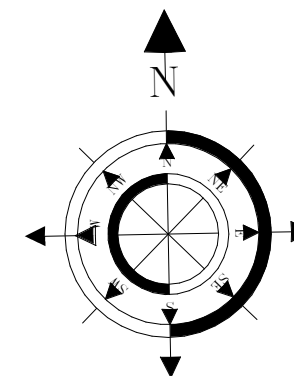
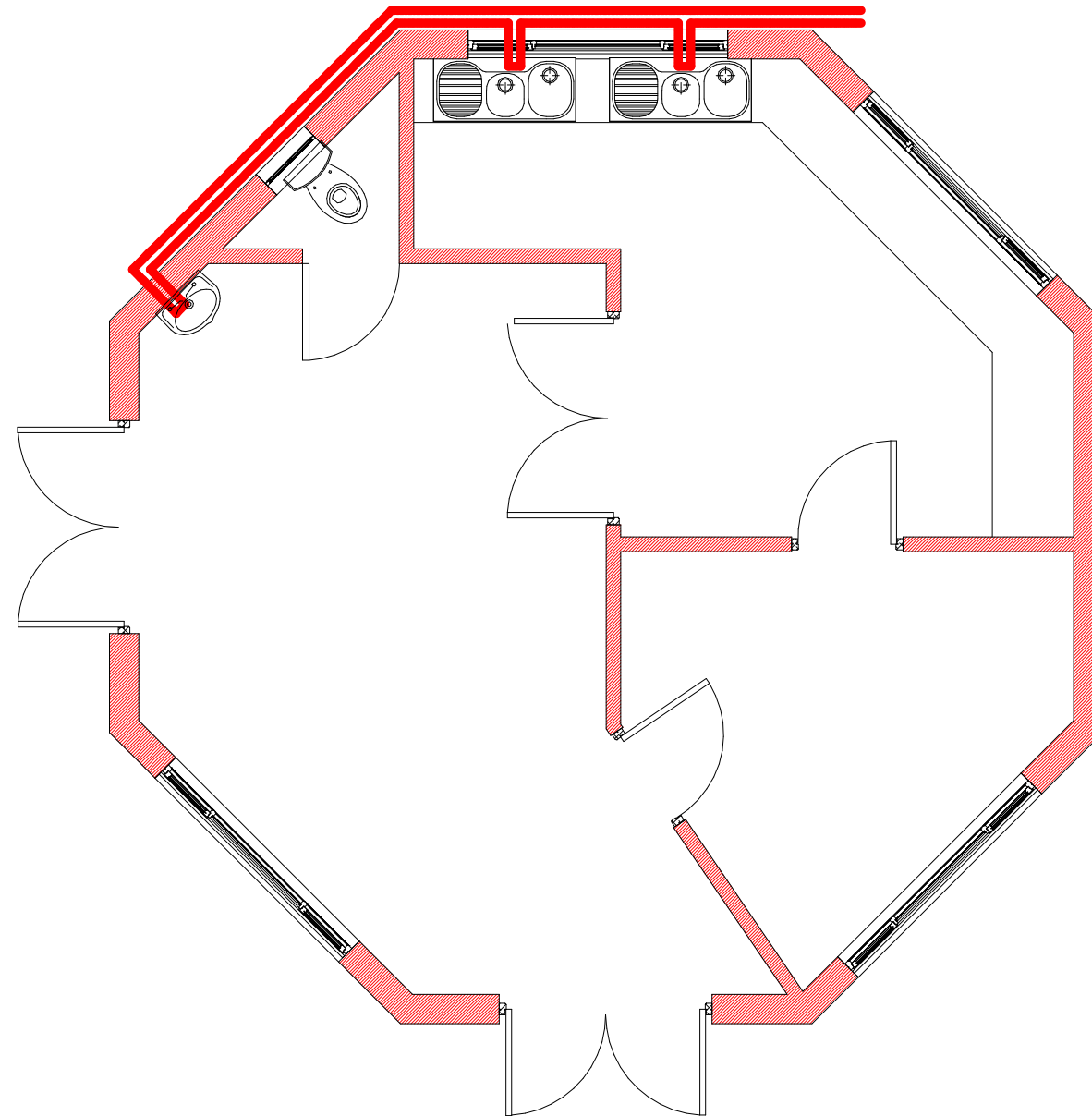
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1 Kitchen Hot Water Layout
Plan
1:25

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Project Name: _____ Projek Naam: _____

SWILE MAVOKWENI GAME LODGE

Drawing Name: _____ Tekening Naam: _____

**Hot Water Layout
Plan**

Drawing No. _____ Tekening Nr. _____

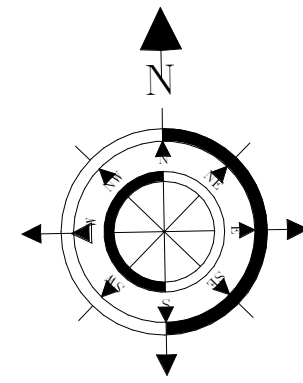
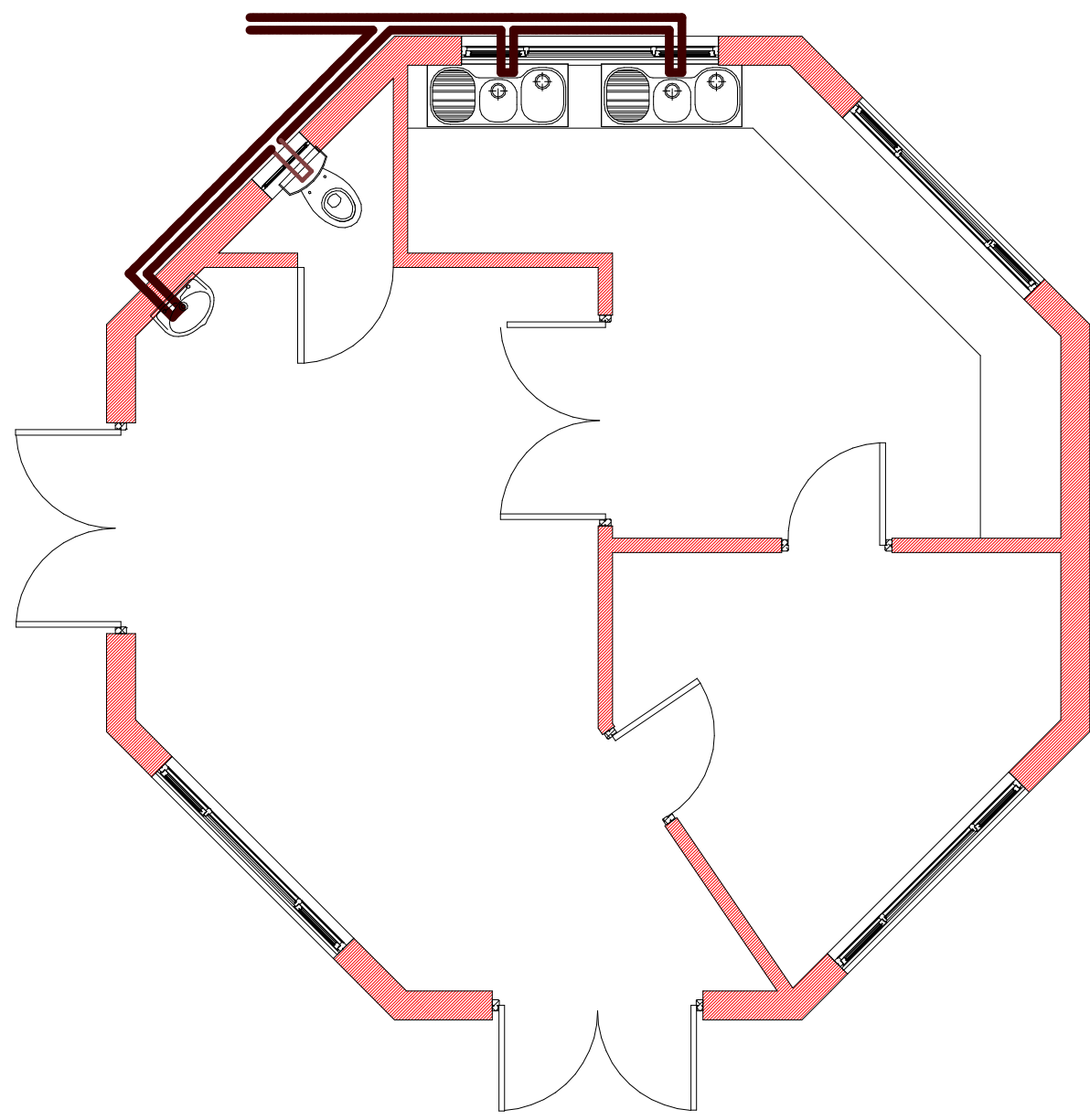
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Project Name:

Projek Naam:

SWILE MAVOKWENI GAME LODGE

Drawing Name:

Tekening Naam:

Sewer Layout Plan

Drawing No:

Tekening Nr:

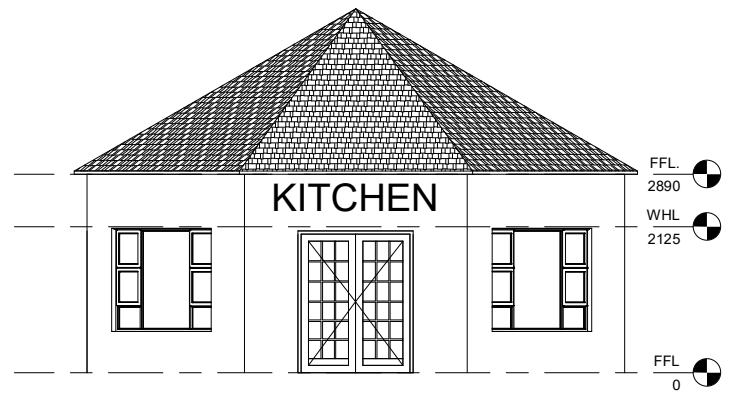
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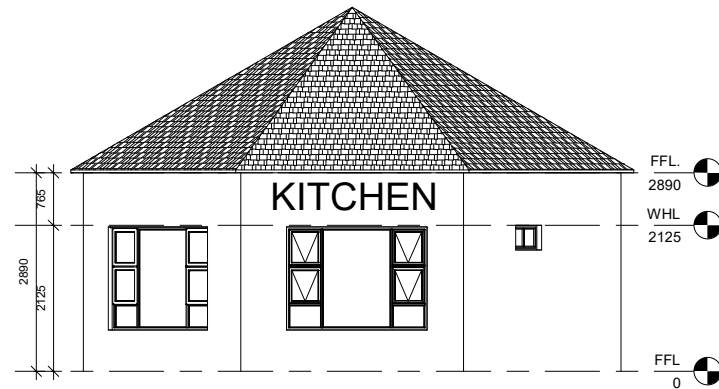
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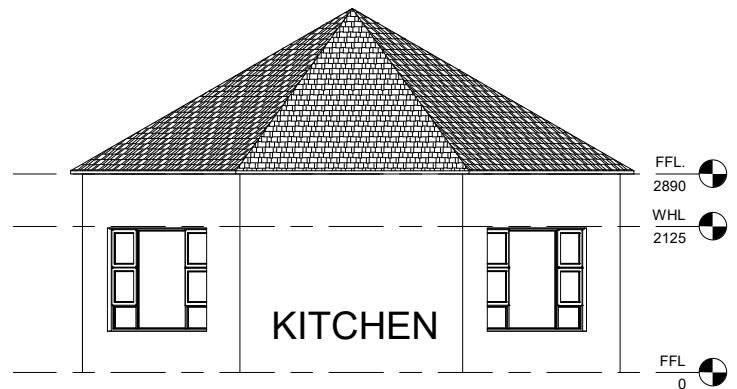
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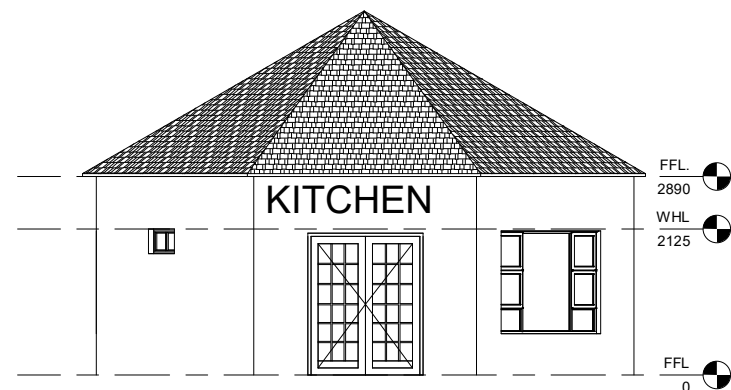
1 Kitchen South Elevation
1 : 50



2 Kitchen North Elevation
1 : 50



3 Kitchen East Elevation
1 : 50



4 Kitchen West Elevation
1 : 50

NOTES:

Sealant to be non woven polyester G2 or G3 membrane . Top coat - UV resistant flexible acrylic available in black, charcoal, core or red to employers choice.

- Roof pitch as indicated
- 0.8mm Profiled Sheetmetal Ridge Capping, Sealed to Manufacture spec(Chromadek)
- Profiled roof sheeting on purlins.
- 75x50mm S.A Pine Purlins at 700mm c/c on Timber Truss.
- Provide S.A.B.S Approved Waterproofing Membrane Above Roof Trusses acc to Manufacture's spec.
- S.A Pine Roof Trusses at 1000mm c/c on Wall Plate. Treat All Exposed Timber with approved applicant to Manufacture 's Spec.
- 114x38mm S.A Pine Timber Wall Plate.
- 225x15mm Fibre Cement Fascia Board or Other Equal approved.
- Ceiling Refer To Finishing Schedules.
- Approved face brick with 5mm recessed raked joints.
- Windows Refer to Window Schedules.
- Door refer to Door schedule
- Reinforced brickwork lintols reinforced with X2 6.4mm Ø steel bars horizontally with bentwire stirrups bedding in every third vertical joint along the length of the soldier course.
- Skirting Refer to Finishing schedules.
- Floor as per schedule on 40mm screed on concrete slab.
- 85mm thick Concrete slab on S.A.B.S Approved termite poisoning USB Green water proofing Membrane to Engineer's details
- S.A.B.S approved D.P.C to Manufacture Spec.
- 75mm thick apron around building with expansion joints every 3m² width fall away from building.
- Foundation to Engineers details and Approval.
- Well compacted consolidated laterite hardcore by Engineer
- Undisturbed Earth.
- Provide Metal Flashing

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REPUBLIC OF SOUTH AFRICA

Project Name: Projek Naam
SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Elevation

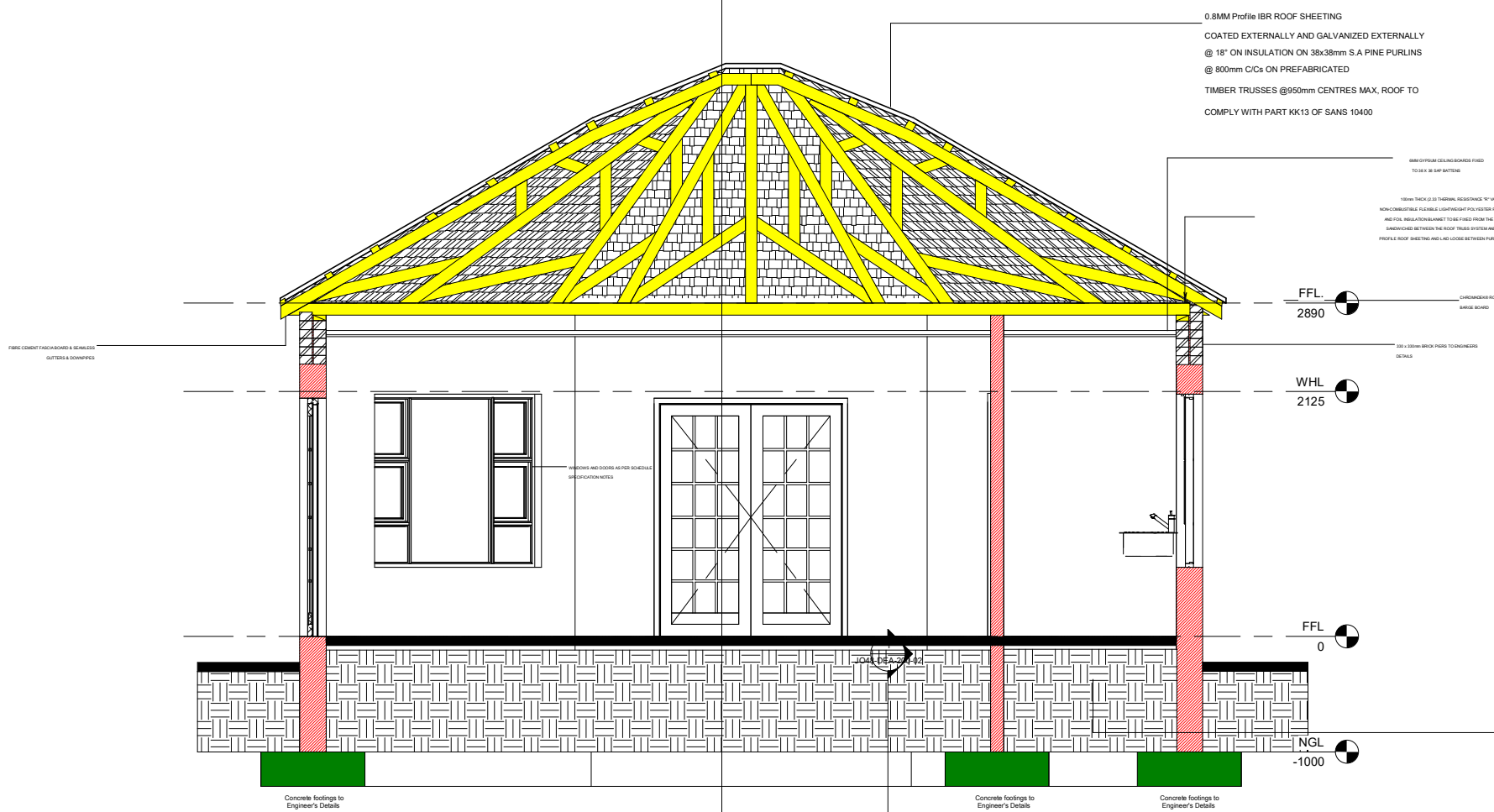
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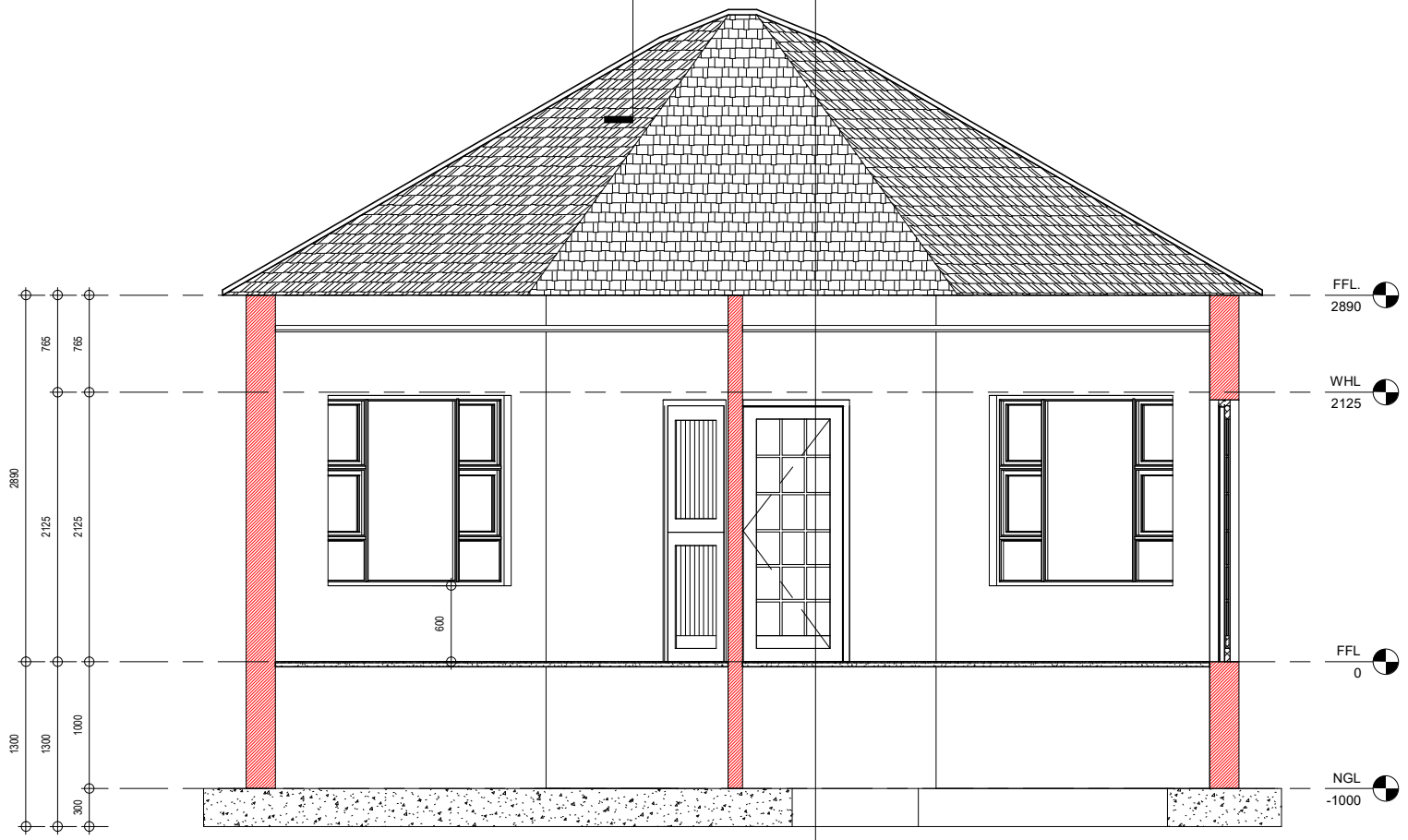
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1 Kitchen Section A-A
1 : 25



2 Kitchen Section B-B
1 : 25

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Fax: 086 662 8877
Vat: 476 027 7733
Email: patsonqs@gmail.com

NELSPRUIT

Client Client

 **environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Sections A-A & B-B

Drawing No. Tekening Nr:

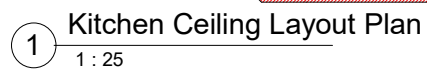
JO48-DEA-200-02

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
1 : 25	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagezien Checked	Checker	Issue Date

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A

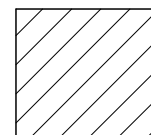
SUSPENDED CEILING TO BE FORMED OF 13mm VINYL CLAD GYPSUM TILES FINISH IN GENERALLY 600 X 600mm PANEL SUPPORTED ON "DONN" T37 BEARER AT 606mm CENTRES IN ONE DIRECTION "DONN" T32 BEARERS AT 1206 CENTRES IN OTHER DIRECTION. THE BEARERS FINISHED WITH CAPPING OF ALUMINUM PRE-PAINTED LOW SHEEN SATIN TO MATCH COLOUR OF CEILING TILES AND SUSPENDED 200mm BELOW STEEL.

B

FIBER CEMENT CEILING



CEILING PANELS STANDARD 600 TO 600mm



CUT CEILING

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REVISIONS/WYSIGINGS

Wysiyng Revisyon	Beskrywing/Description	Datum .Date



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Client _____ Klient _____



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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam: _____

SWILE MAVOKWENI GAME LODGE

Drawing Name:	Tekening Naam:
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Ceiling Layout Plan

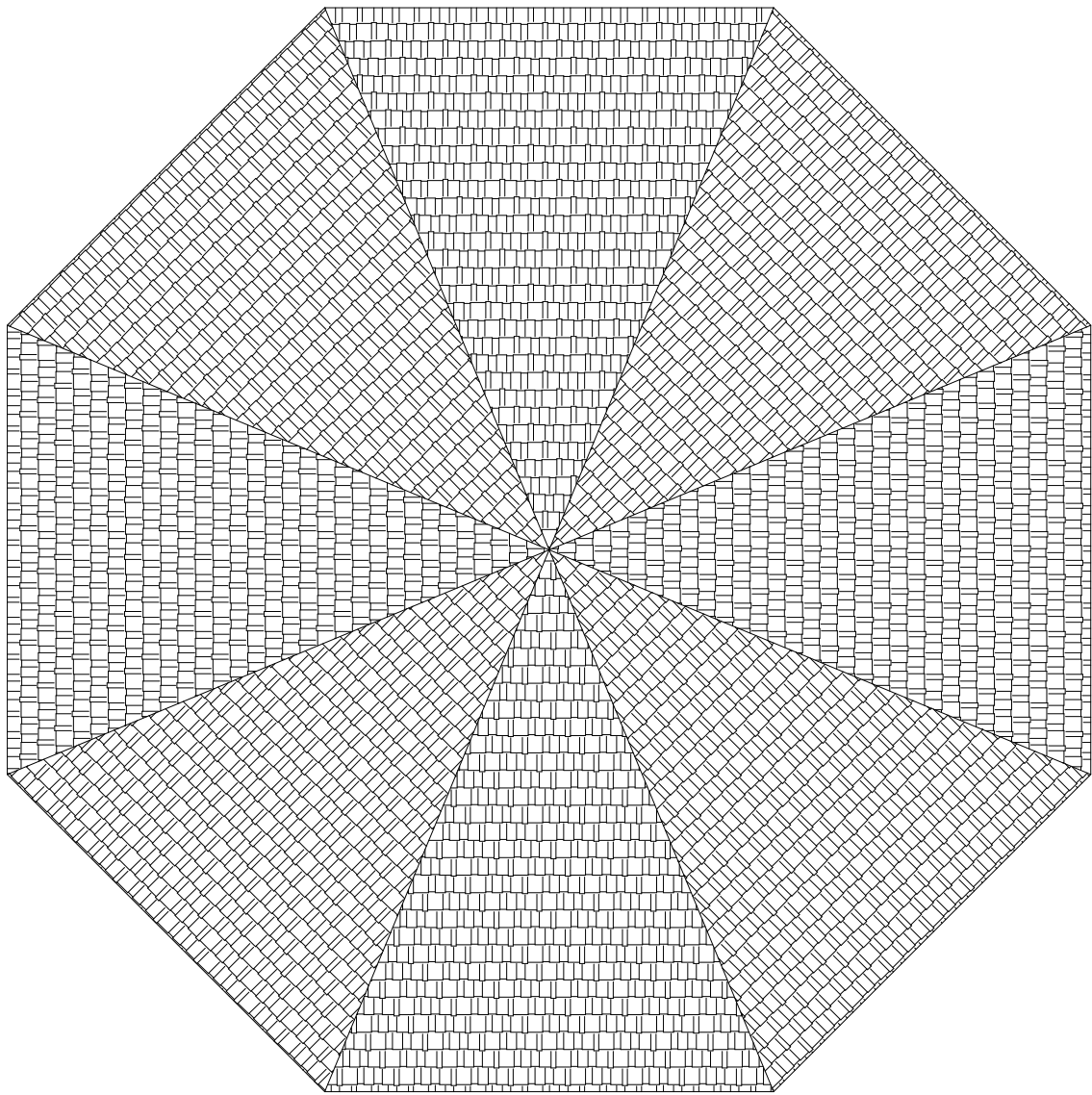
Drawing No.	Tekening Nr.
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100



1 Kitchen Roof Layout Plan
1 : 25

NOTES

1. Fibre Cement Facia
2. Wood Float Plaster And Paint
3. Truss By Specialist

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environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Client

Project Name:

SWILE MAVOKWENI GAME LODGE

Project Naam

Drawing Name:

Roof Layout Plan

Tekening Naam

Drawing No.

JO48-DEA-300-02

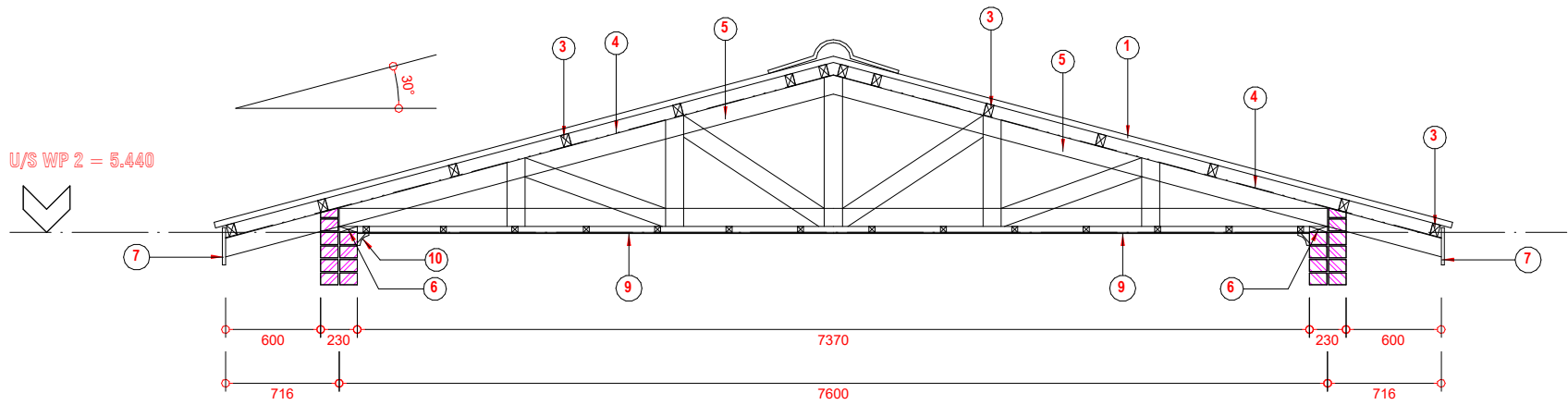
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ROOF TRUSS TYPE "C"
SCALE 1 : 20

1 Roof Truss Details
1 : 20

- NOTES:
Sealant to be non woven polyester G2 or G3 membrane .
Top coat - UV resistant flexible acrylic available in black, charcoal, core or red to employers choice.
1. Profiled roof sheeting on 75x50mm S.A pine purlins on prefabricated roof structure. treat all exposed timber with approved applicant.
 2. Proved Fibre Cement Barge Board
 3. 75x50mm S.A pine Timber Purlins at 700mm c/c on timber trusses.
 4. 0.5mm thick SABS Approved water proofing membrane
 5. 114x38mm S.A pine Timber Trusses at 1200mm c/c on wall plate
 6. 114x38mm S.A pine Timber wall plate
 7. 225x15mm Fibre cement fascia board or other equal approved
 8. 38x38mm S.A pine Timber Brandering at 450mm c/c minimum
 9. 6mm thick Fibre cement ceiling to finishing schedule
 10. Cornice to finishing schedule
 11. Provide Head and Counter Metal Flashing
 12. 152x89mm Timber Rafters, Roof Truss Members to Engineer's Details and Spec
 13. Reinforced Concrete Gutter to Engineer's Details and Spec
 14. 120x55mm Channel fixed to Details
 15. Profiled roof sheeting

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environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Client

Kliënt

Project Name:Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name:Tekening Naam

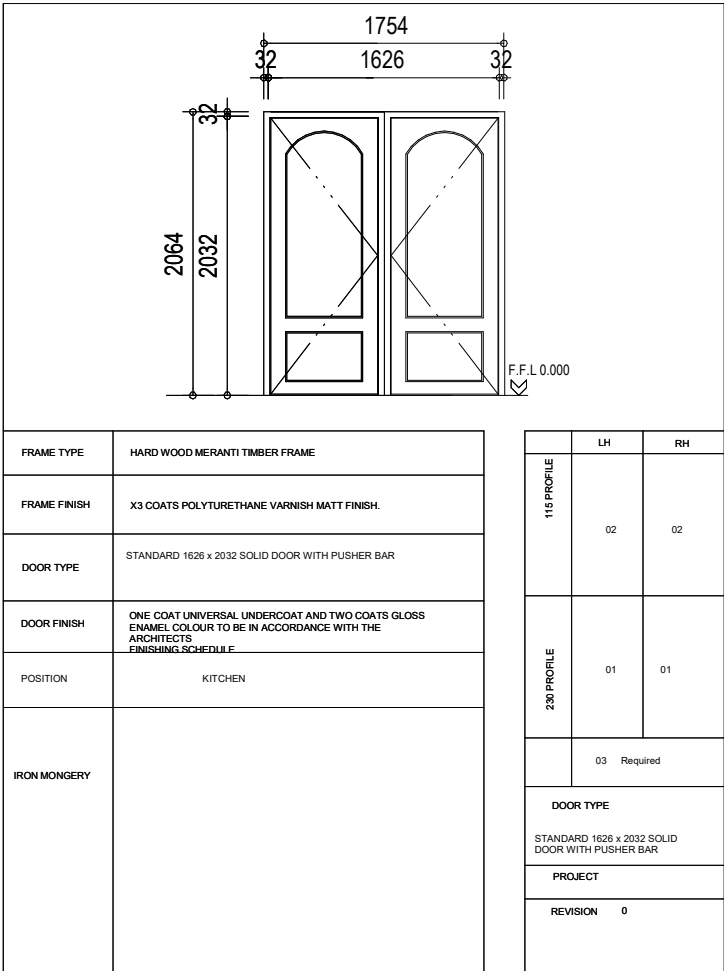
Roof Truss Details

Drawing No.:Tekening Nr.

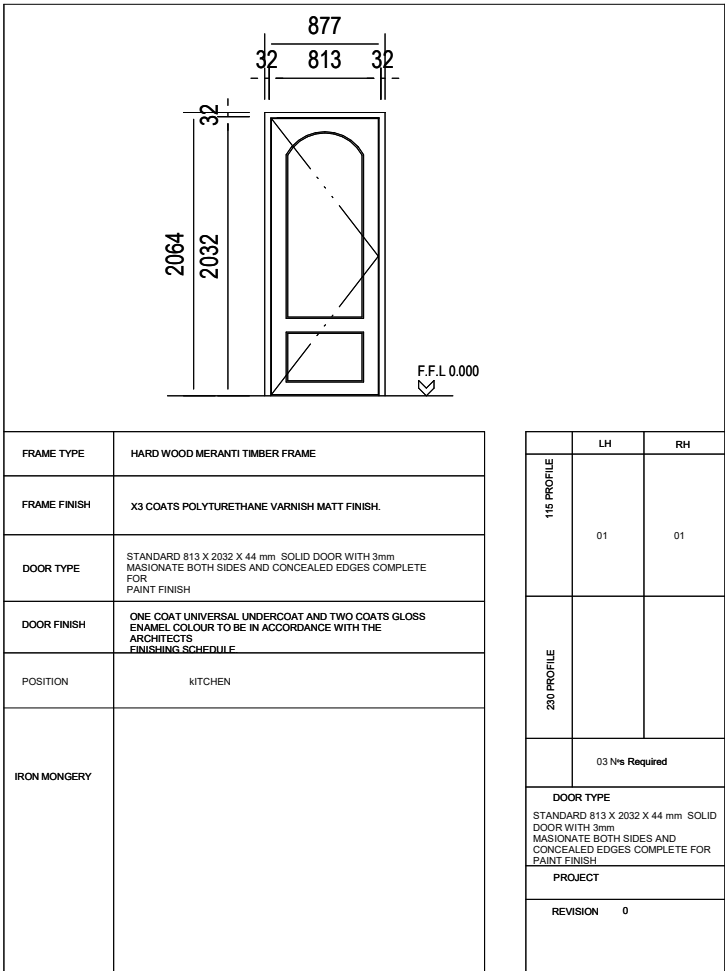
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	Nagaan Checked	Checker	Issue Date

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1 Main Door Schedule
1 : 25



2 Store Room Door Schedule
1 : 25

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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Kliënt

Project Name:	Projek Naam
SWILE MAVOKWENI GAME LODGE	
Drawing Name:	Tekening Naam
Door Schedule	
Drawing No:	Tekening Nr.
JO48-DEA-300-04	

Scale 1 : 25	Designed Ontwerp	Anthony B.U.E.	Issue Date
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SCHEDULE OF GUEST HOUSE 1				
GUEST HOUSE 1 : 164m ²				
BLOCK	NAME	AREA m ²	FAR	COVERAGE
Guest House 1		164 m ²		
Bedroom 1		20 m ²		
Bedroom 2		20 m ²		
Bedroom 3		20 m ²		
Bedroom 4		20 m ²		
Bedroom 5		20 m ²		
Toilet 1		3 m ²		
Toilet 2		3 m ²		
Toilet 3		3 m ²		
Toilet 4		3 m ²		
Toilet 5		3 m ²		

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Revision		Date



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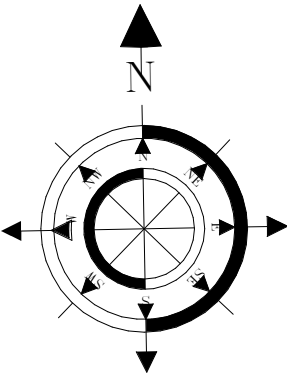
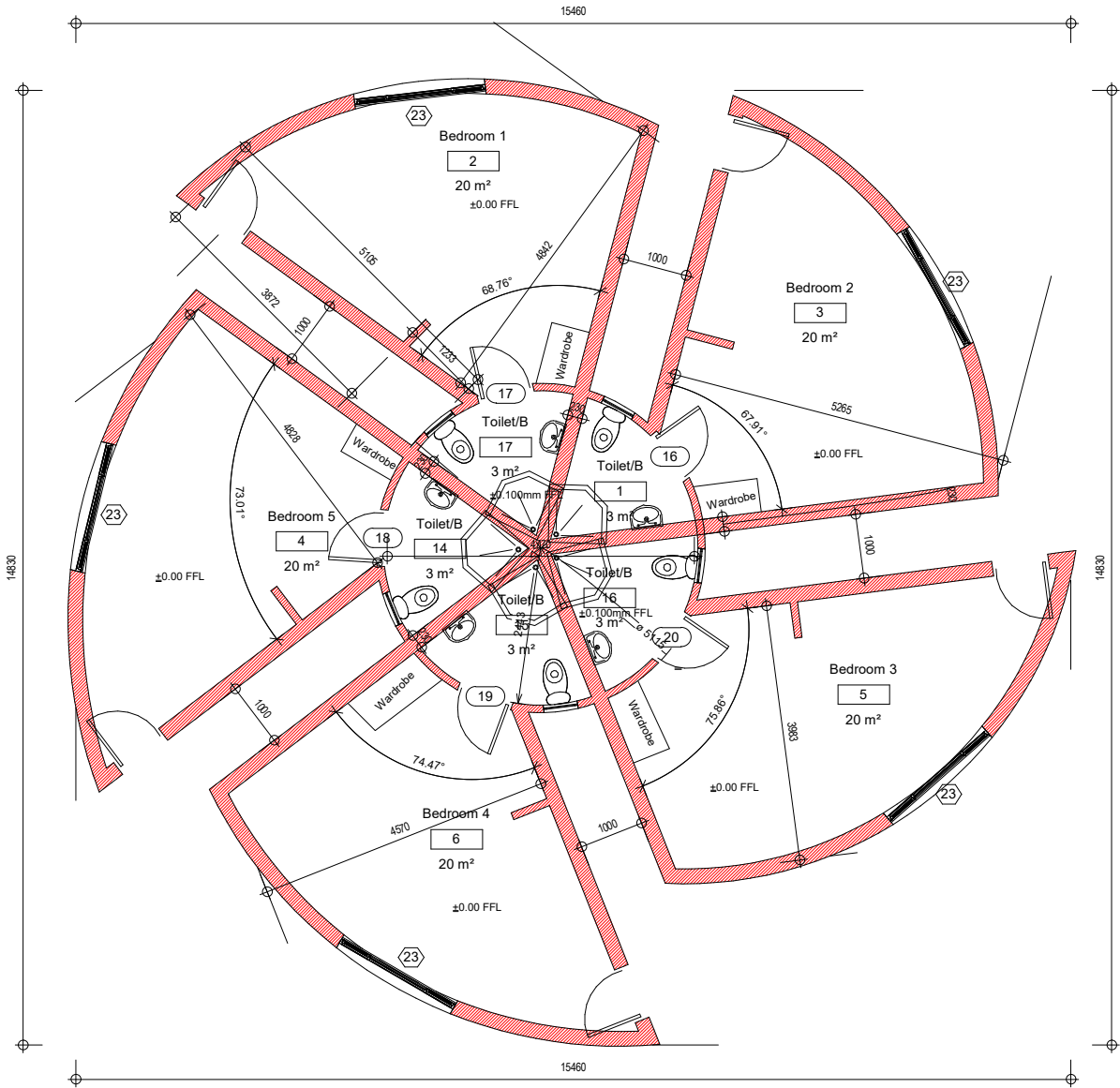
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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:	Project Naam:
SWILE MAVOKWENI GAME LODGE	
Drawing Name:	Tekening Naam:
Floor Layout Plan	
Drawing No.:	Tekening Nr.:
J045-DEA-100-02	

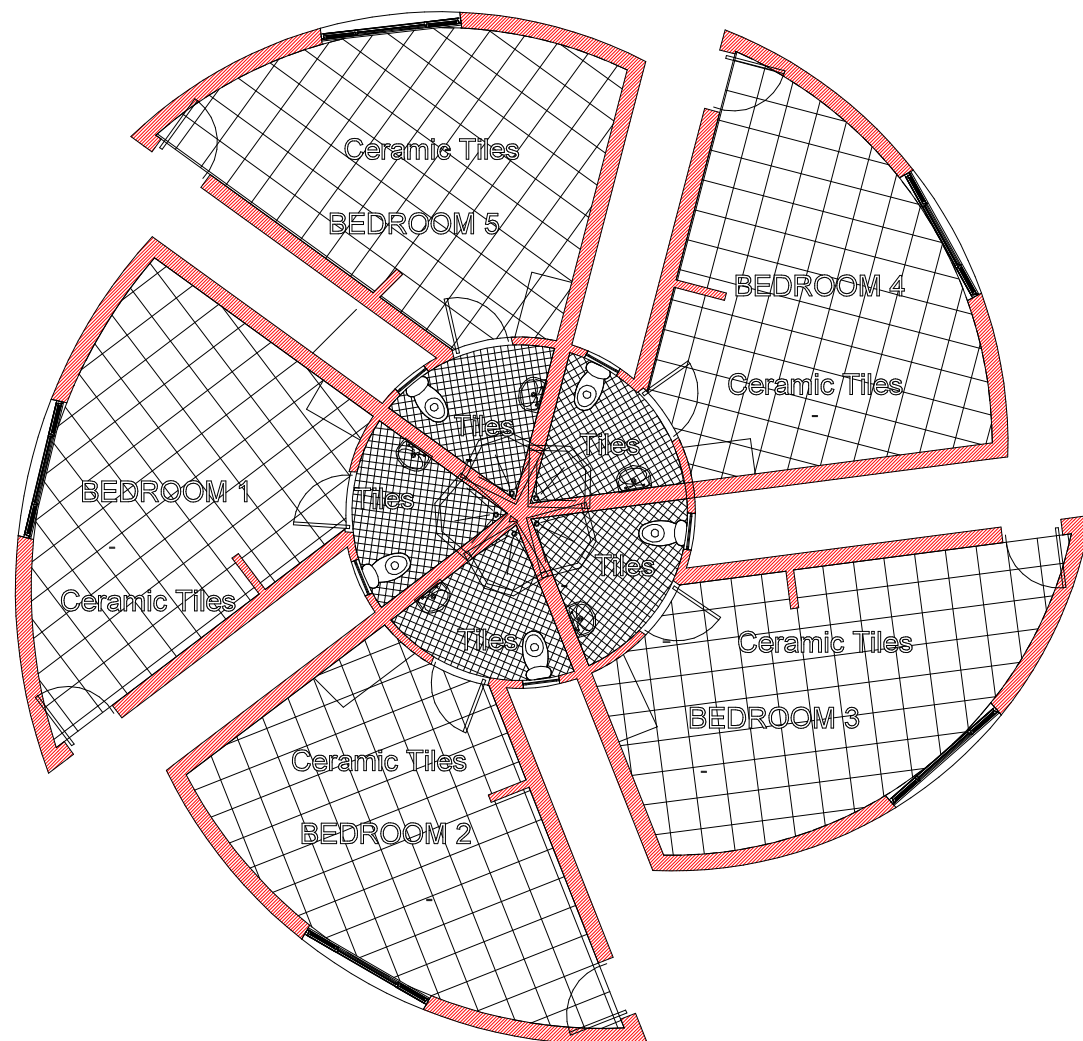
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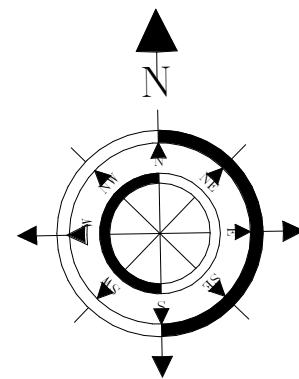
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1 Main Accomodation Floor
Layout Plan
1:50



1 Main Accomodation Floor
Layout Plan 2
1:50



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environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:

Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name:

Tekening Naam

Tiles Layout Plan

Drawing No.

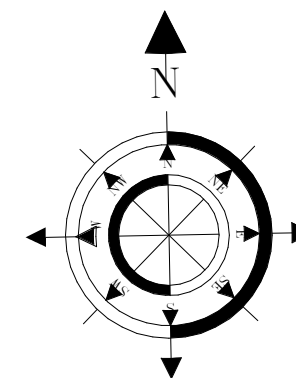
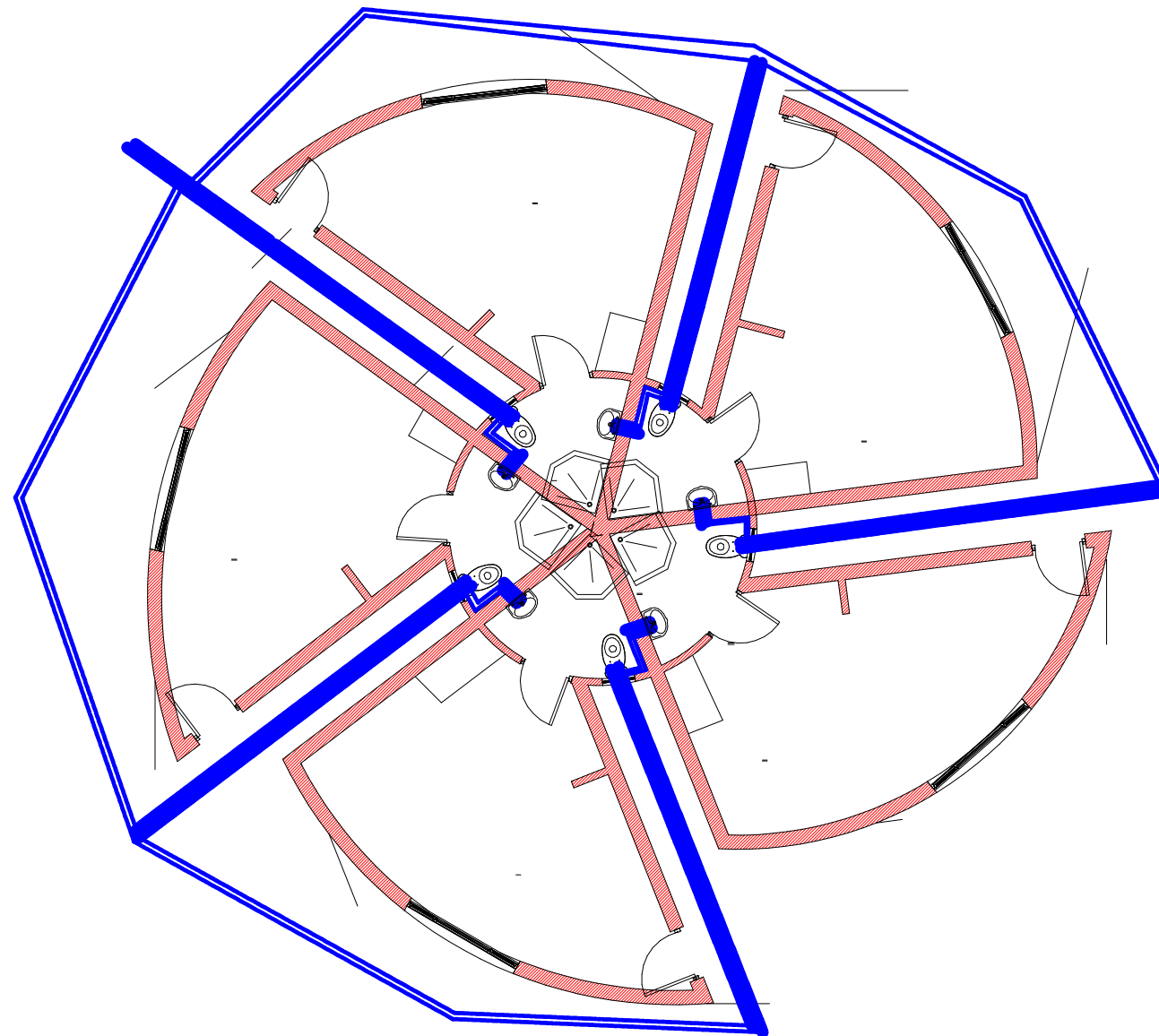
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environmental affairs
 Department:
 Environmental Affairs
 REPUBLIC OF SOUTH AFRICA

Project Name: _____
 Project Naam: _____
 SWILE MAVOKWENI GAME LODGE

Drawing Name: _____
 Tekening Naam: _____
**Floor Coled Water
Layout Plan**

Drawing No: _____
 Tekening Nr.: _____
J045-DEA-100-03

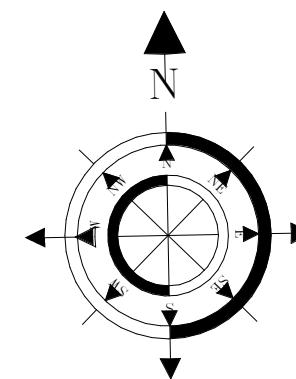
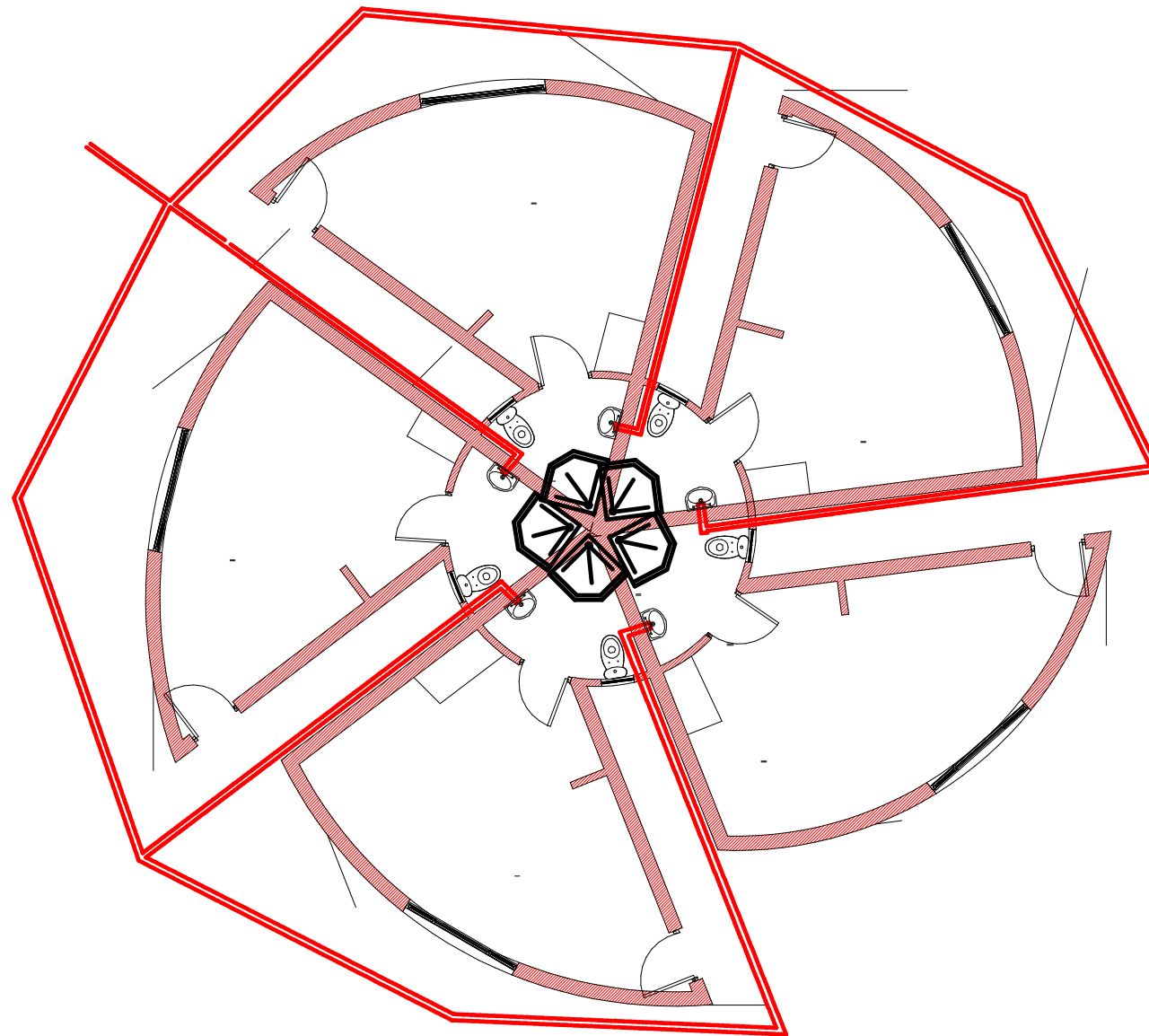
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	Nagezien Checked	Checker	Issue Date

APPROVED / GOEDGEKEUR _____

DATE / DATUM _____

1 Main Accommodation Cold
 Water Layout Plan
 1:50

5/7/2021 10:41:39 AM



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Client: _____ Klient: _____

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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam: _____

SWILE MAVOKWENI GAME LODGE

Drawing Name: _____ Tekening Naam: _____

**Floor Hot Water
Layout Plan**

Drawing No: _____ Tekening Nr.: _____

J045-DEA-100-04

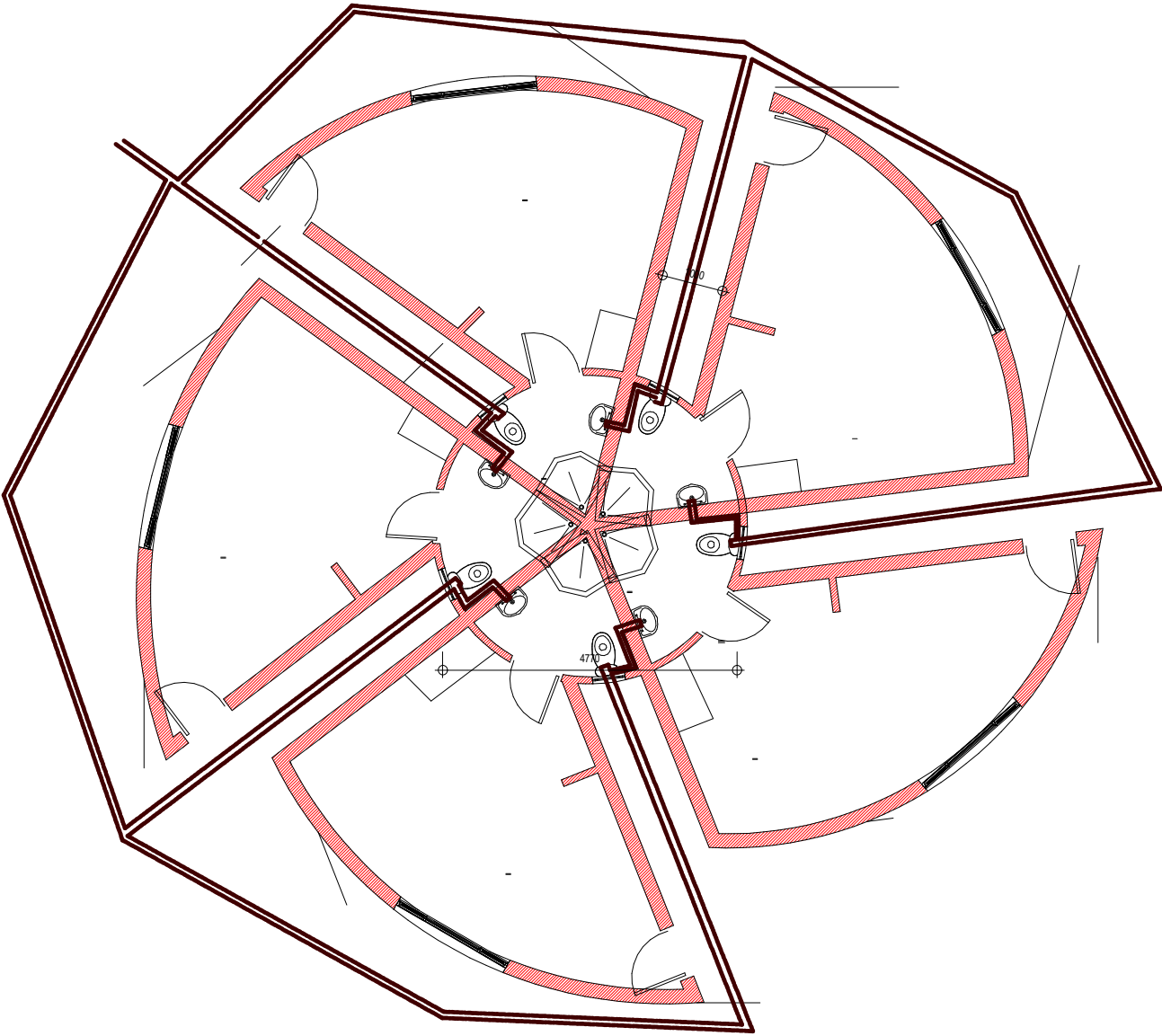
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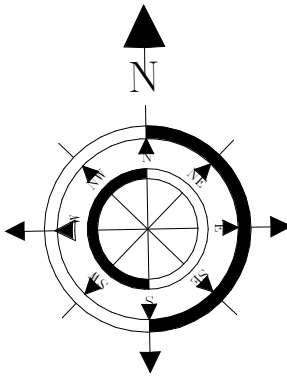
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1 Main Accommodation Hot
Water Layout Plan
1:50



1 Main Accomodation Sewer
Layout Plan
1 : 50



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NELSPRUIT

Client
Klient
 **environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: **SWILE MAVOKWENI GAME LODGE**

Drawing Name: **Floow Sewer Layout Plan**

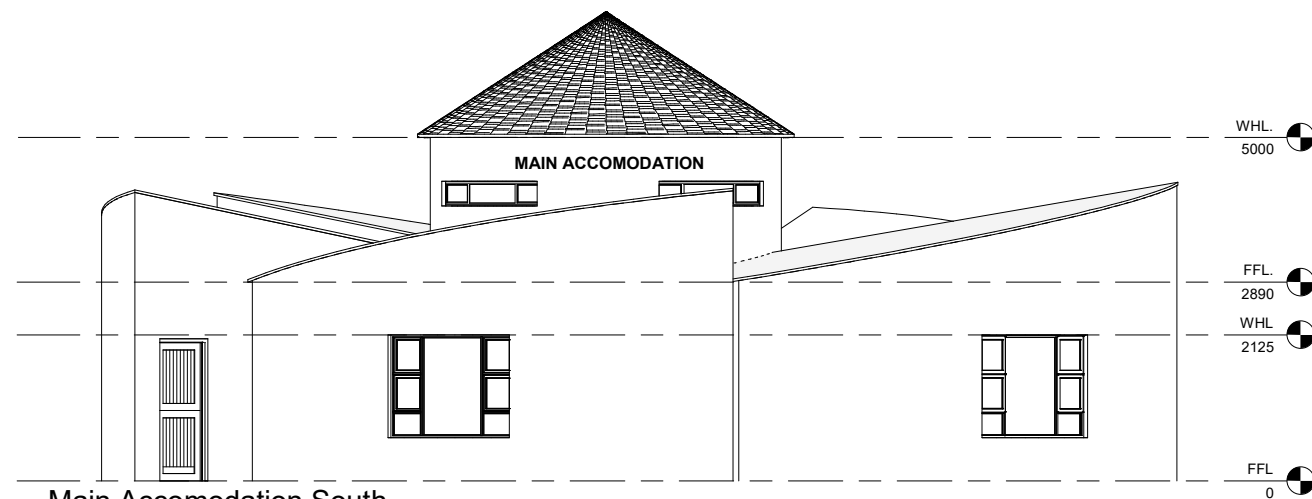
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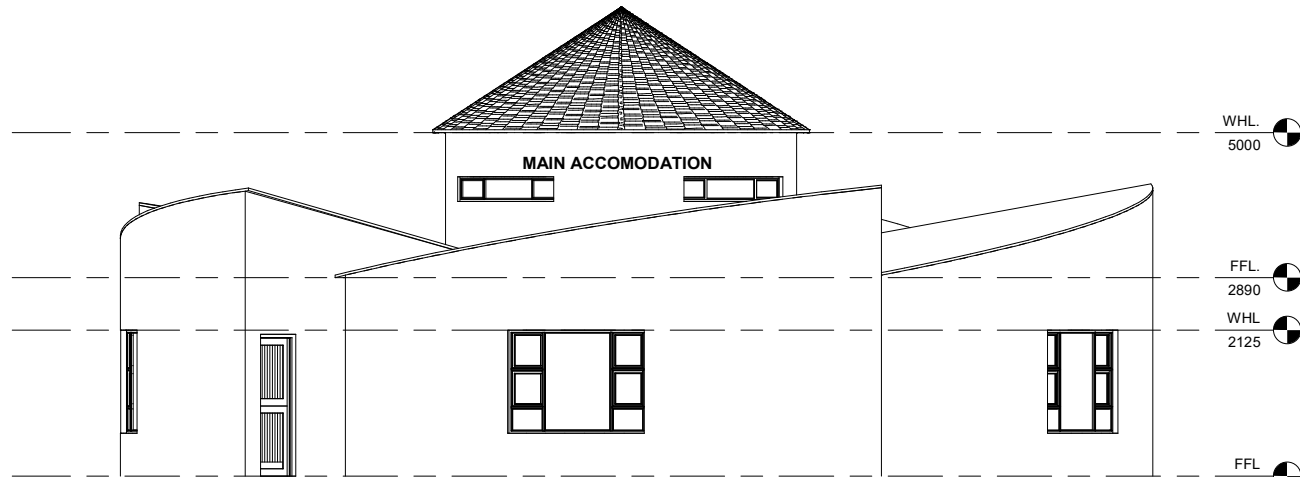
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DATE / DATUM

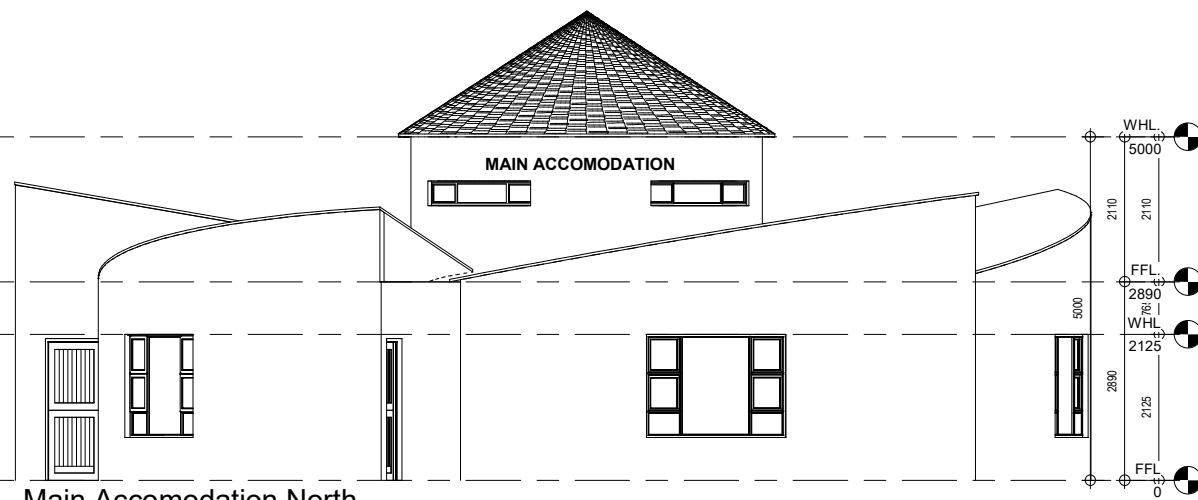
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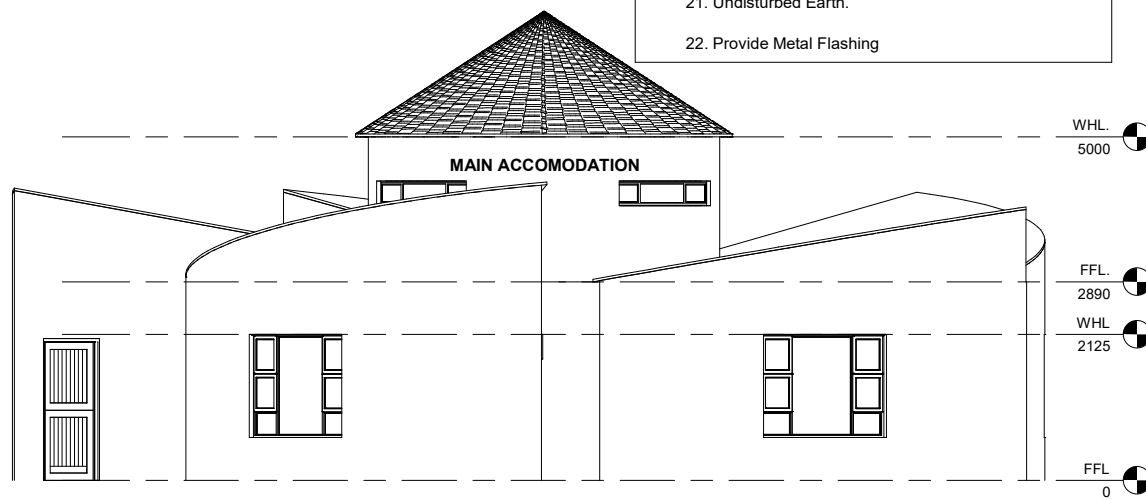
1 Main Accommodation South
Elevation
1:50



2 Main Accommodation West
Elevation
1:50



4 Main Accommodation North
Elevation
1:50



3 Main Accommodation East
Elevation
1:50

NOTES:

Sealant to be non woven polyester G2 or G3 membrane . Top coat - UV resistant flexible acrylic available in black,charcoal,core or red to employers choice.

1. Roof pitch as indicated

0.8mm Profiled Sheetmetal Ridge Capping, Sealed to Manufacture spec(Chromadek)

3. Profiled roof sheeting on purlins.

4. 75x50mm S.A Pine Purlins at 700mm c/c on Timber Truss.

5. Provide S.A.B.S Approved Waterproofing Membrane Above Roof Trusses acc to Manufacture's spec.

6. S.A Pine Roof Trusses at 1000mm c/c on Wall Plate. Treat All Exposed Timber with approved applicant to Manufacture 's Spec.

7. 114x38mm S.A Pine Timber Wall Plate.

8. 225x15mm Fibre Cement Fascia Board or Other Equal approved.

9. Ceiling Refer To Finishing Schedules.

10. Approved face brick with 5mm recessed raked joints.

11. Windows Refer to Window Schedules.

12. Door refer to Door schedule

13. Reinforced brickwork lintols reinforced with X2 6.4mm Ø steel bars horizontally with bentwire stirrups bedding in every third vertical joint along the length of the soldier course.

14. Skirting Refer to Finishing schedules.

15. Floor as per schedule on 40mm screed on concrete slab.

16. 85mm thick Concrete slab on S.A.B.S Approved termite poisoning USB Green water proofing Membrane to Engineer's details

17. S.A.B.S approved D.P.C to Manufacture Spec.

18. 75mm thick apron around building with expansion joints every 3m² width fall away from building.

19. Foundation to Engineers details and Approval.

20. Well compacted consolidated laterite hardcore by Engineer

21. Undisturbed Earth.

22. Provide Metal Flashing

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NOTES:

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DRAWING NAME / TEKENING NAAM

No./Nr.

REVISIONS/WYSIGINGS

Wysiging Revision	Beskriving/Description	Datum Date

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NELSPRUIT

Client
 **environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Elevations

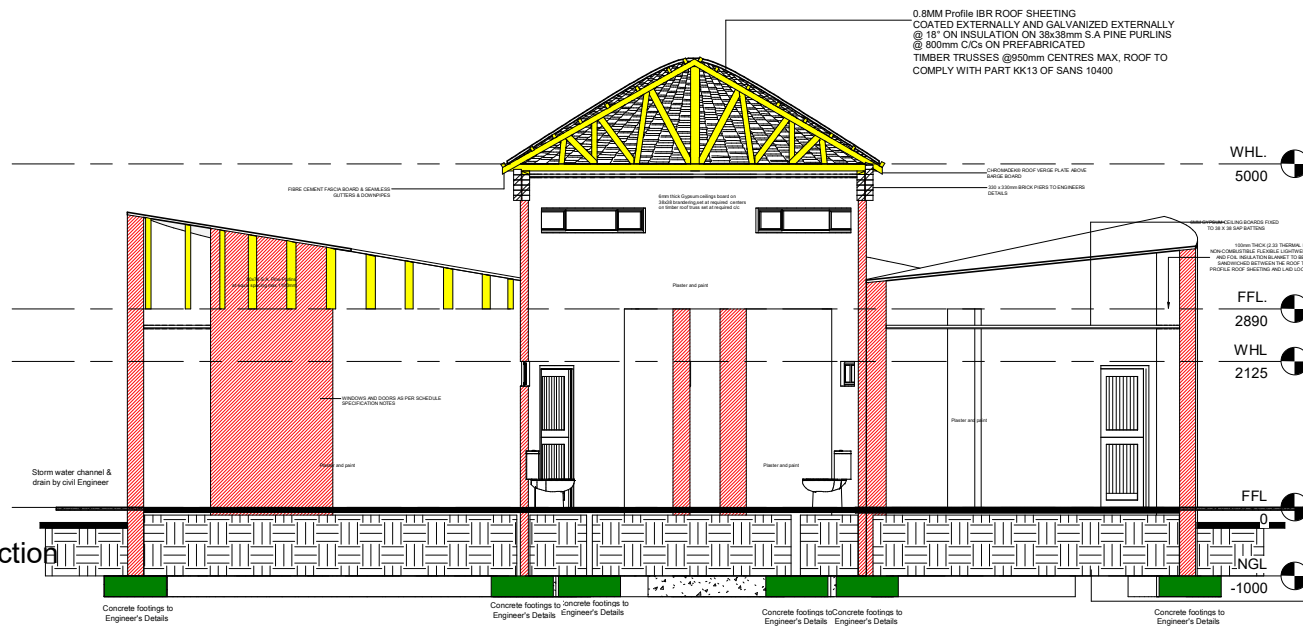
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J045-DEA-200-01

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	Nagezien Checked	Checker	Issue Date

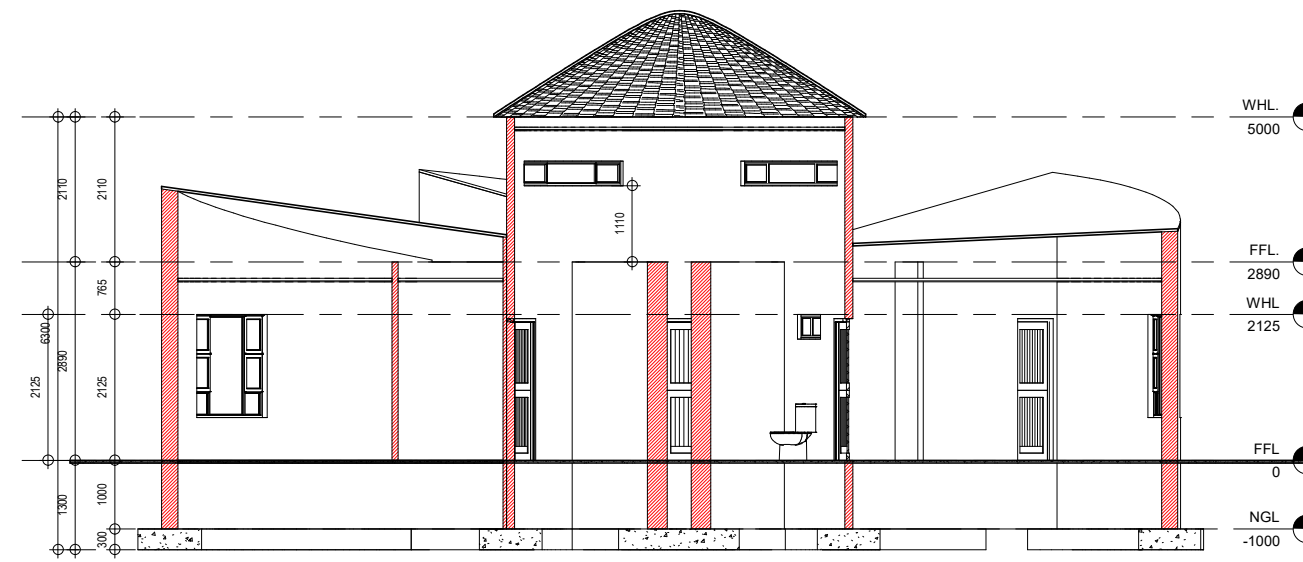
APPROVED / GOEDGEKEUR DATE / DATUM

5/17/2021 10:28:07 AM



1 Main Accomodation Section A-A

1 : 50



2 Main Accomodation Section B-B

1 : 50

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DRAWING NAME / TEKENING NAAM No./Nr:

REVISIONS/WYSIGINGS

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Client

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environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: Project Naam
SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam
Sections A-A & B-B

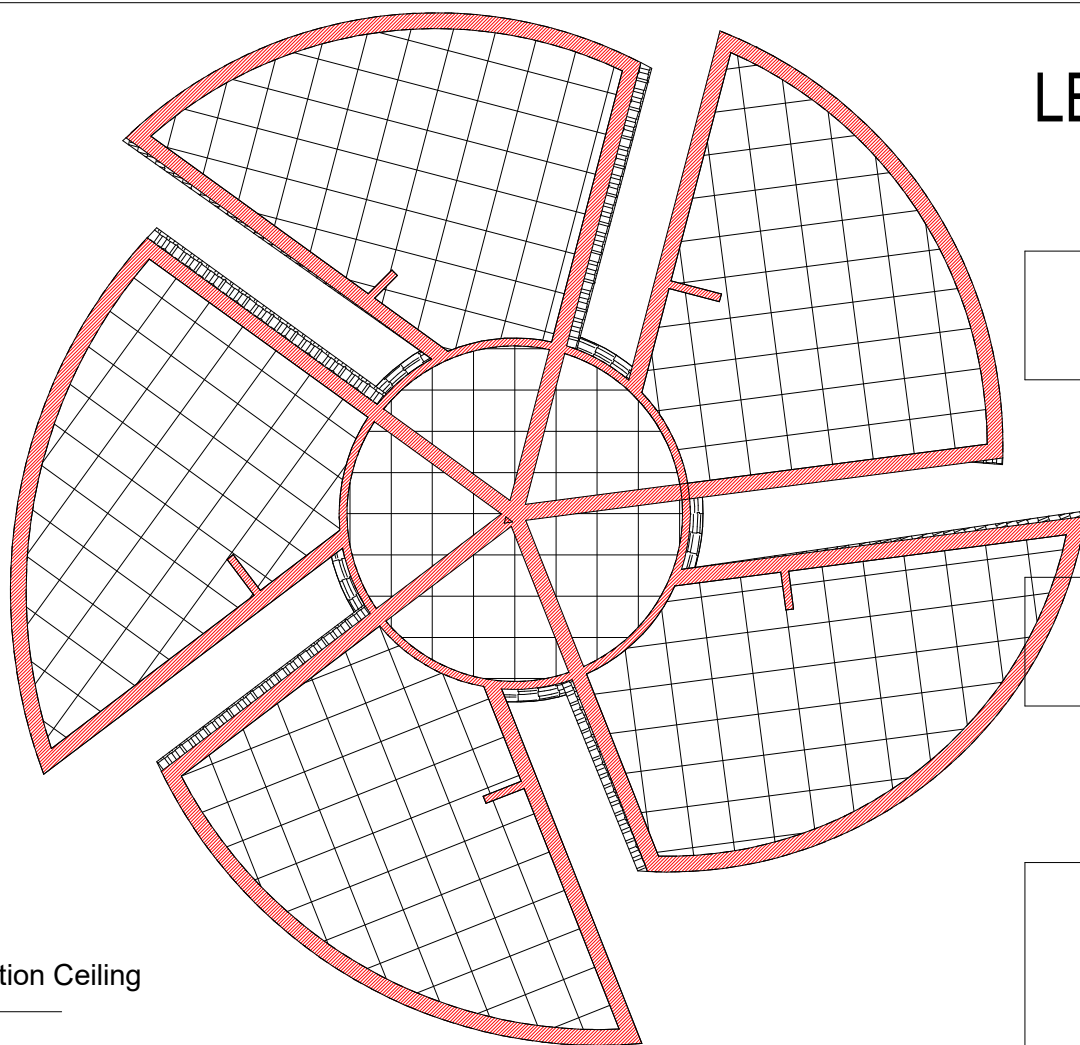
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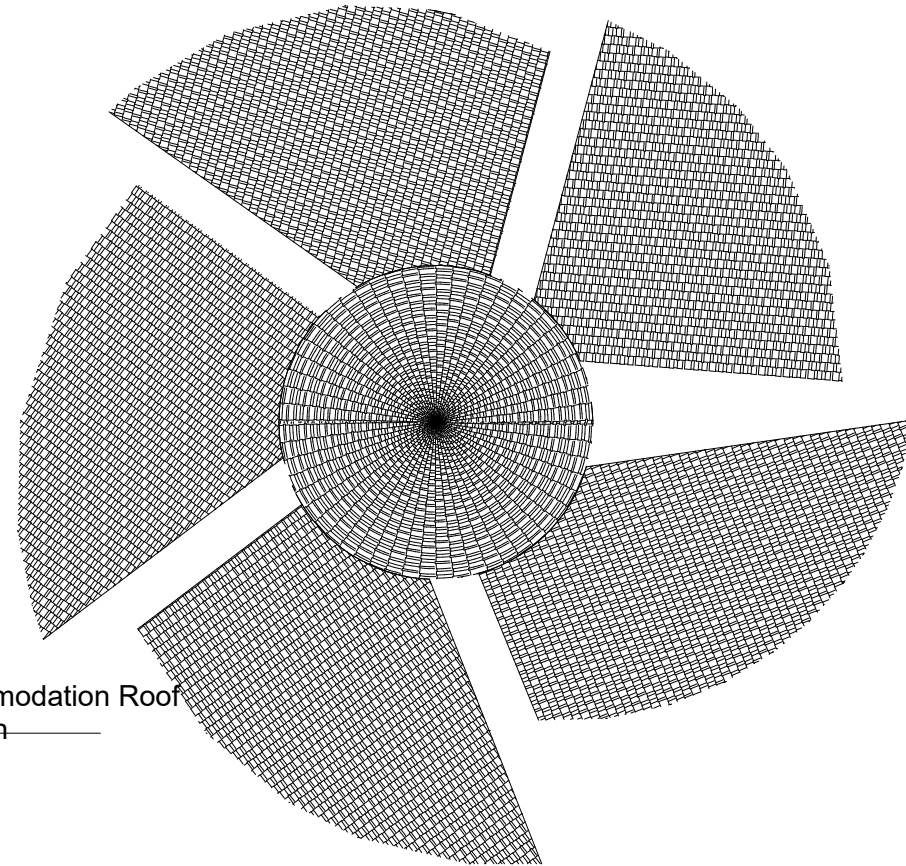
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DATE / DATUM

5/7/2021 11:08:52 AM



1 Main Accomodation Ceiling
Layout Plan
1:50

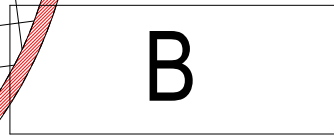


2 Main Accomodation Roof
Layout Plan
1:80

LEGEND



A



B

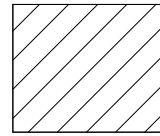
Must Comply With SABS 10400

SUSPENDED CEILING TO BE FORMED OF 13mm VINYL CLAD GYPSUM TILES FINISH IN GENERALLY 600 X 600mm PANEL SUPPORTED ON "DONN" T37 BEARER AT 606mm CENTRES IN ONE DIRECTION "DONN" T32 BEARERS AT 1206 CENTRES IN OTHER DIRECTION. THE BEARERS FINISHED WITH CAPPING OF ALLUMINUM PRE-PAINTED LOW SHEEN SATIN TO MATCH COLOUR OF CEILLING TILES AND SUSPENDED 200mm BELOW STEEL.

FIBER CEMENT CEILING



CEILING PANELS
STANDARD
600 TO 600mm



CUT CEILING

NOTES

1. Fibre Cement Facia
2. Wood Float Plaster And Paint
3. Truss By Specialist

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environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:

Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name:

Tekening Naam

Ceiling & Roof layout
Plan

Drawing No:

Tekening Nr.

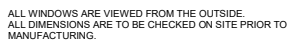
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	Nagaan Checked	Checker	Issue Date

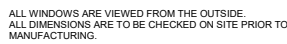
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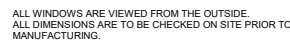
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**WINDOW SCHEDULE**

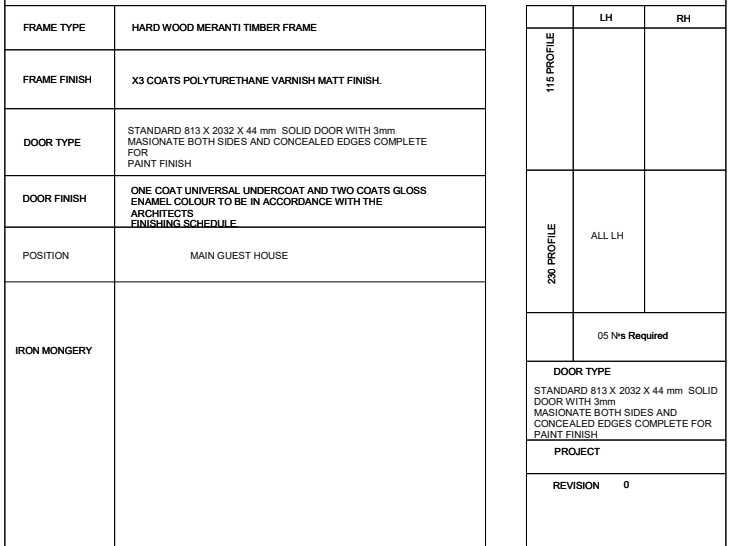
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**WINDOW SCHEDULE**

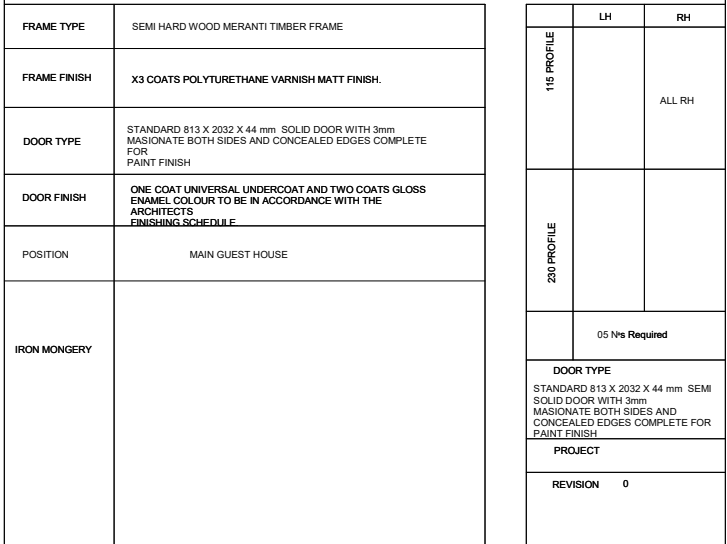
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**WINDOW SCHEDULE**

(3)



2



3

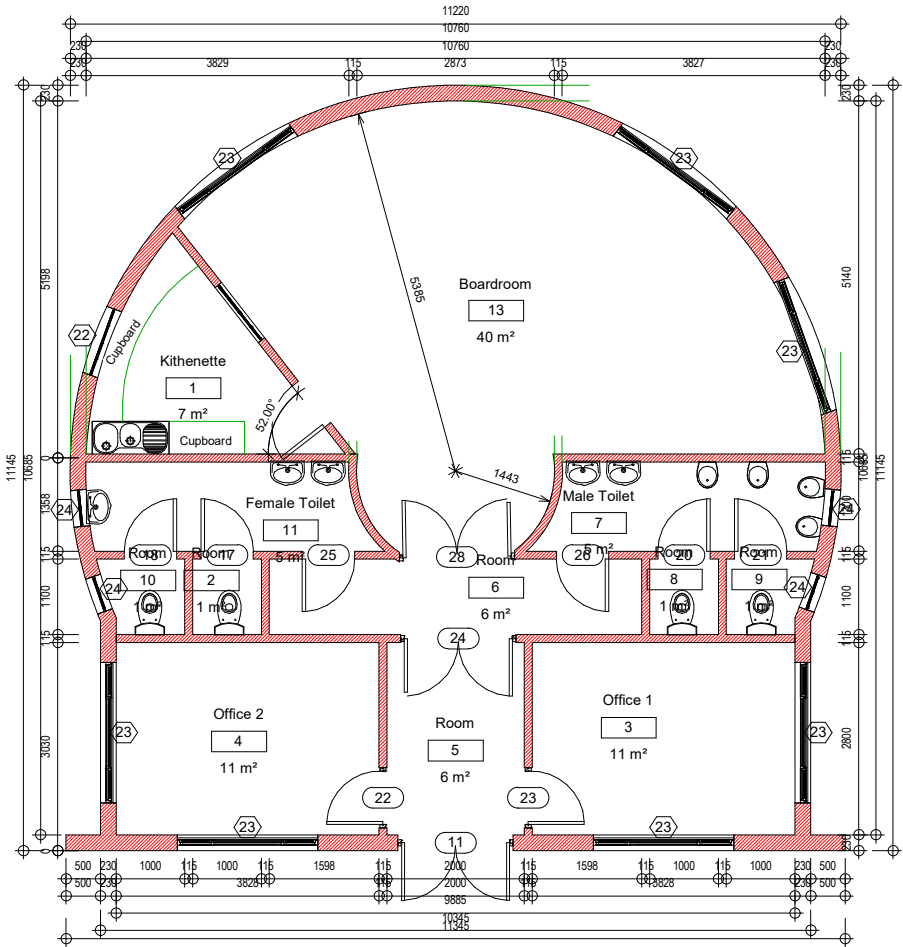
APPROVED / GOEDGEKEUR _____ DATE / DATUM _____

OFFICE BLOCK				
OFFICE BLOCK : 108m ²				
BLOCK	NAME	AREA m ²	FAR	COVERAGE
OFFICE BLOCK		108 m ²		
Office 1		11 m ²		
Office 2		11 m ²		
passage 1		6 m ²		
Passage 2		6 m ²		
Male Toilet 1		1 m ²		
Mail Toilet 2		1 m ²		
FemaleToilet 1		1 m ²		
Female Toilet 2		1 m ²		
Urinary Area		5 m ²		
Wash-hand Area		5 m ²		
Boardroom		40 m ²		
Kitchenette		7 m ²		

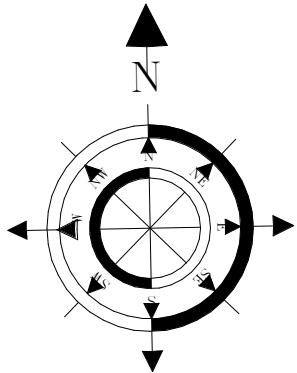
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Office/Boardroom Floor
1 Layout Plan
1:50



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REVISIONS/WYSIGINGS		
Wysigings Revision	Beskrifwing/Description	Datum Date



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Email: patsonqs@gmail.com

NELSPRUIT

Client

Kliënt



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:	Projek Naam
SWILE MAVOKWENI GAME LODGE	

Drawing Name:	Tekening Naam
Floor Layout Plan	

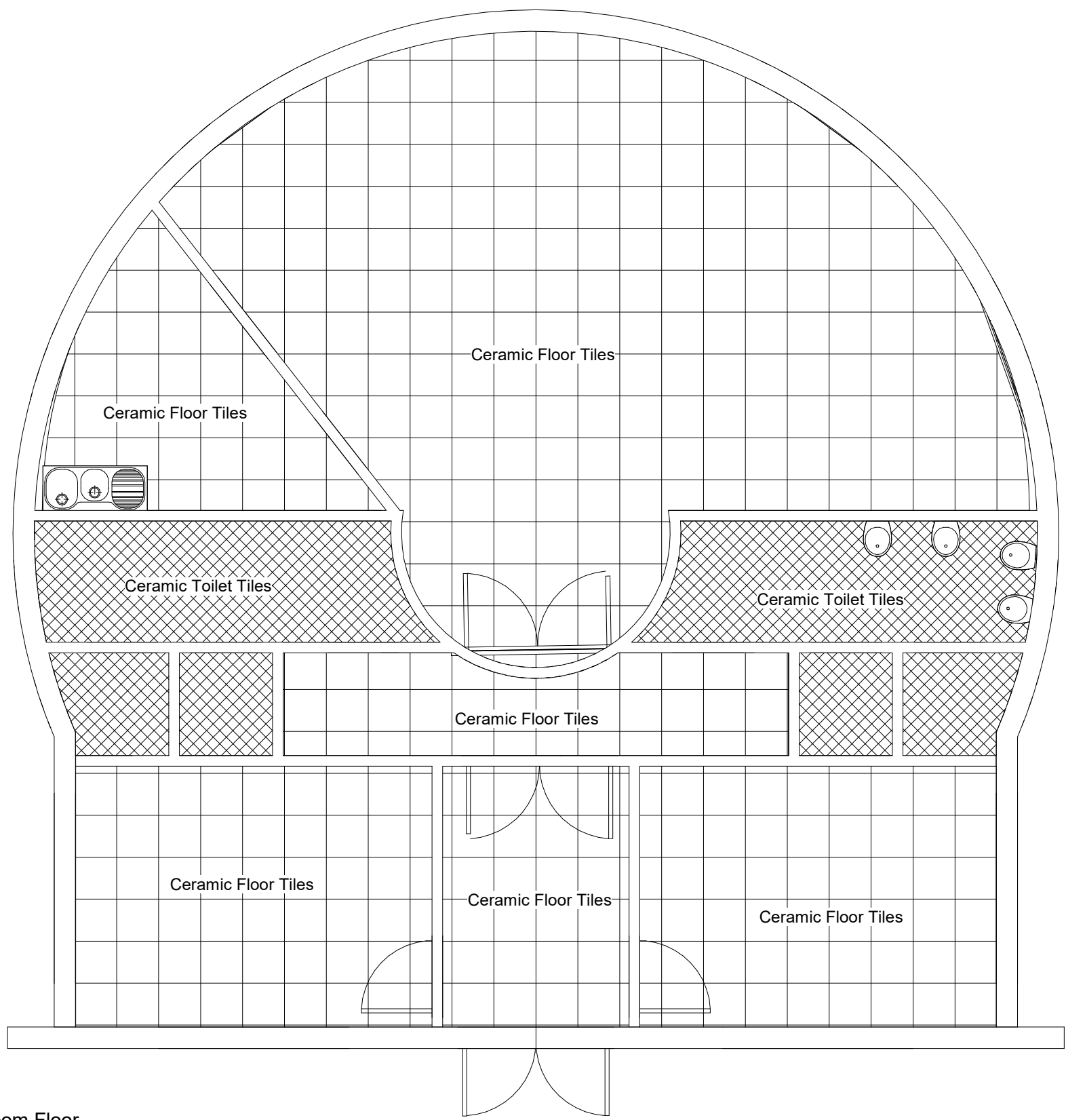
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JO47-DEA-100-02	

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
As indicated	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagezien Checked	Checker	Issue Date

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DATE / DATUM

5/18/2021 8:42:30 AM



1 Office/Boardroom Floor
Tiles Layout
1:25

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environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: SWILE MAVOKWENI GAME LODGE

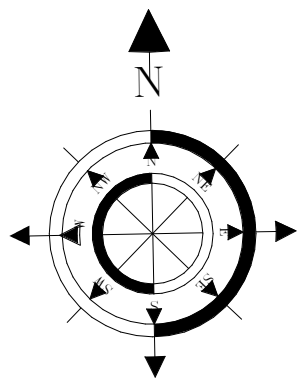
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Site Layout Plan

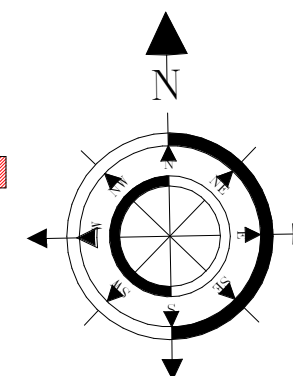
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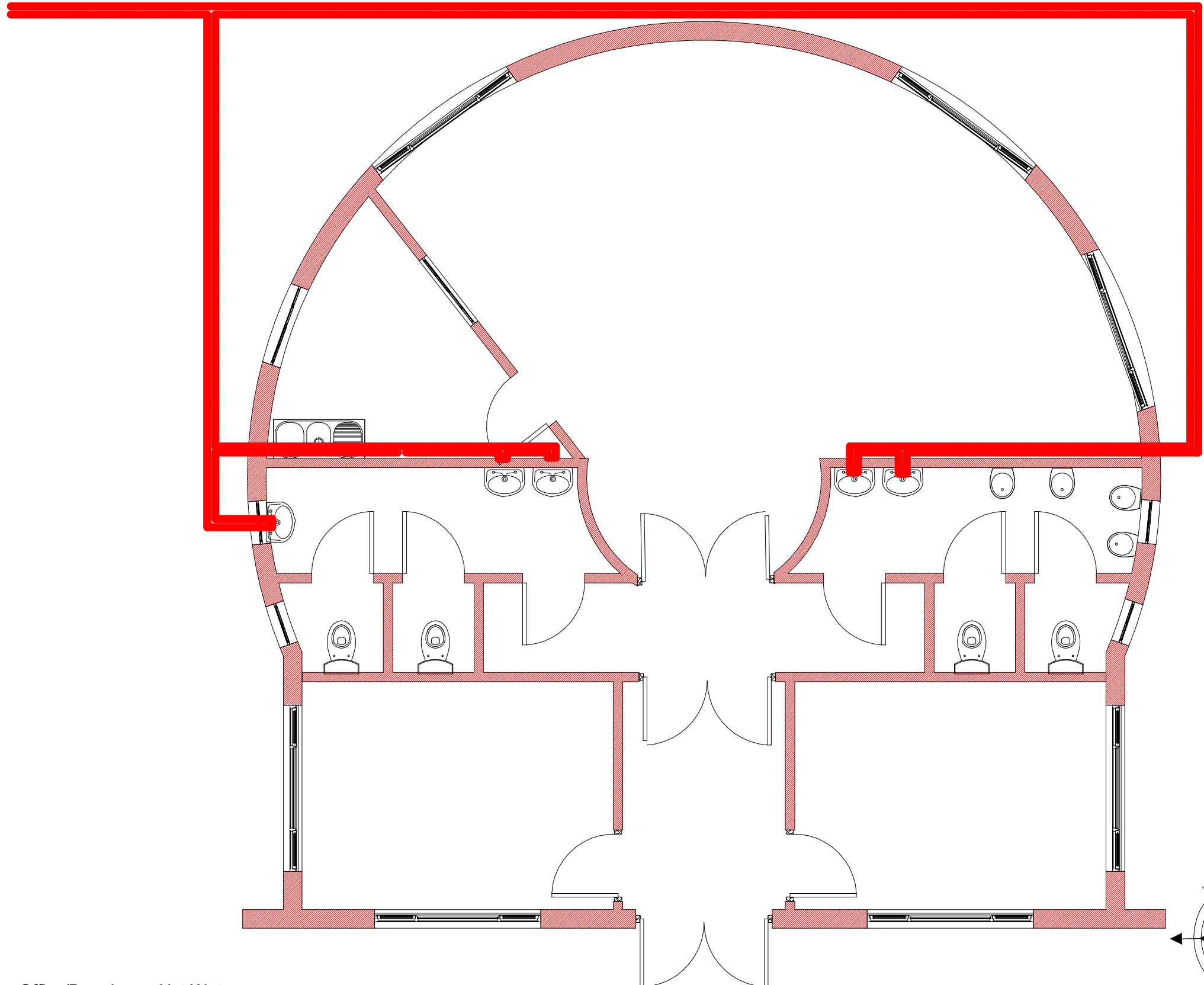


5/18/2021 8:39:48 AM



1001

Office/Boardroom Cold
Water Layout Plan



Office/Boardroom Hot Water
Layout Plan
1:25

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Project Name: SWILE MAVOKWENI GAME LODGE

Drawing Name: Hot Water Layout Plan

Drawing No: JO47-DEA-100-04

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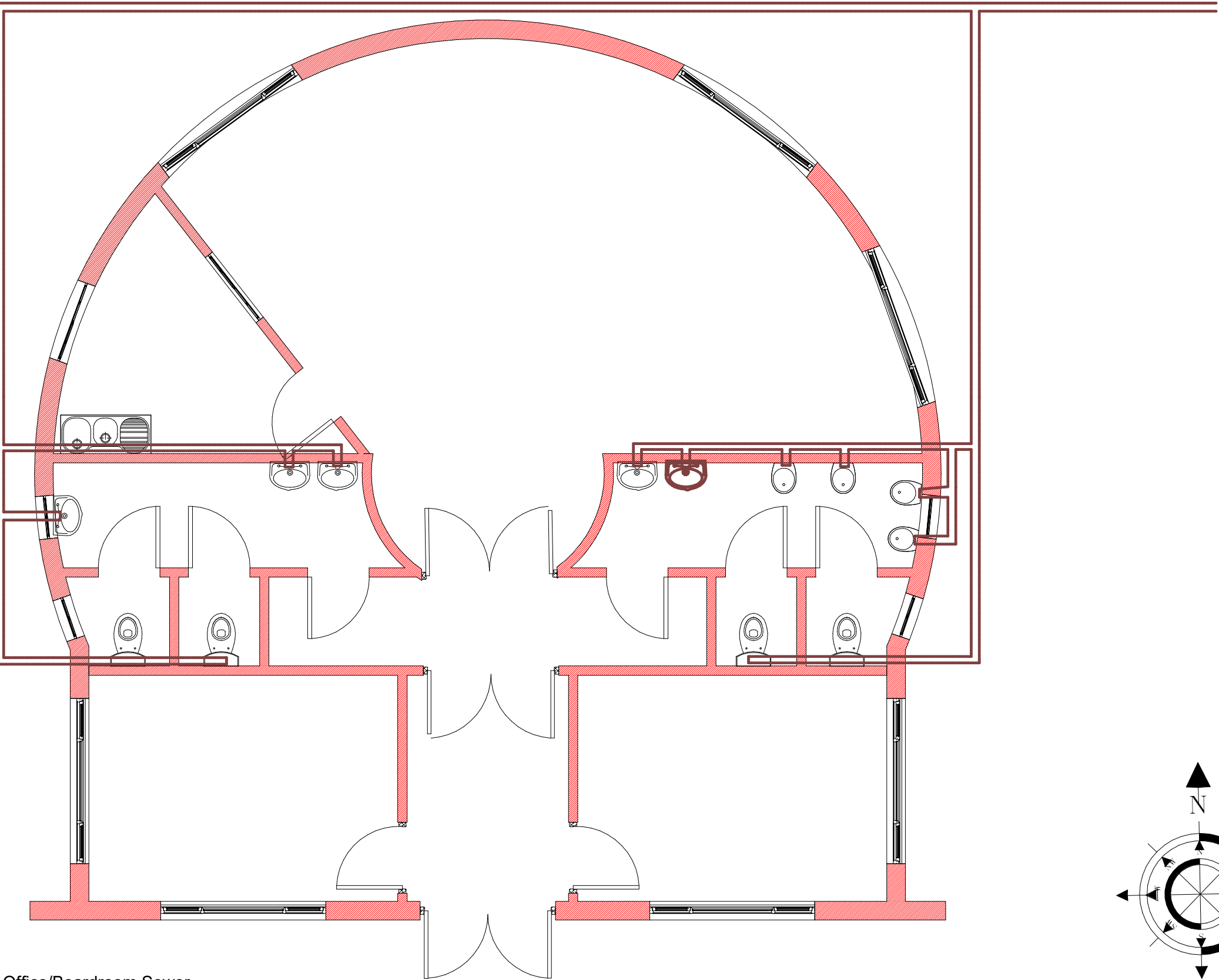
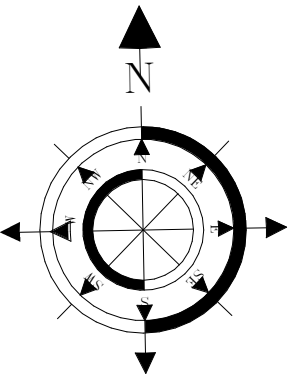
environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:	Projek Naam
SWILE MAVOKWENI GAME LODGE	
Drawing Name:	Tekening Naam
Sewer Layout Plan	
Drawing No:	Tekening No.
JO47-DEA-100-05	

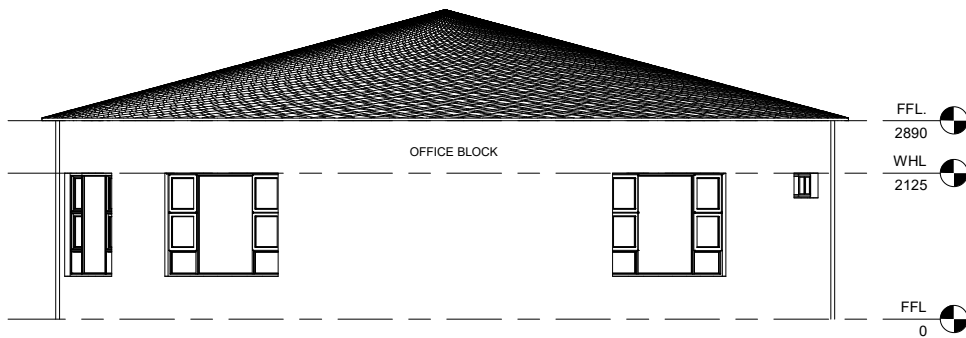
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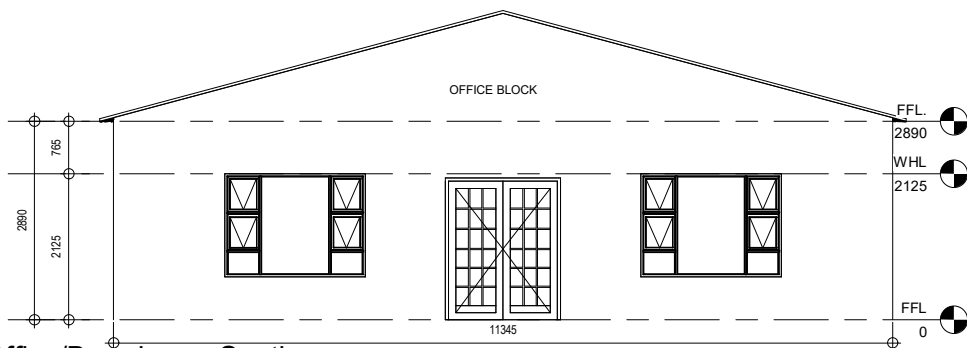
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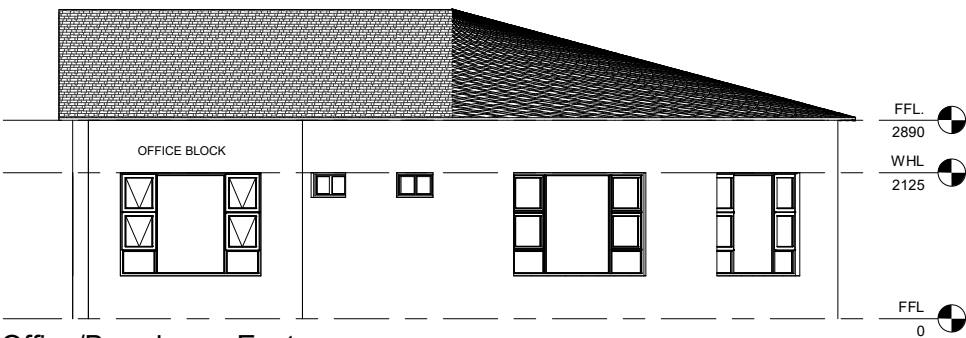
1 Office/Boardroom Sewer Layout Plan
1:25



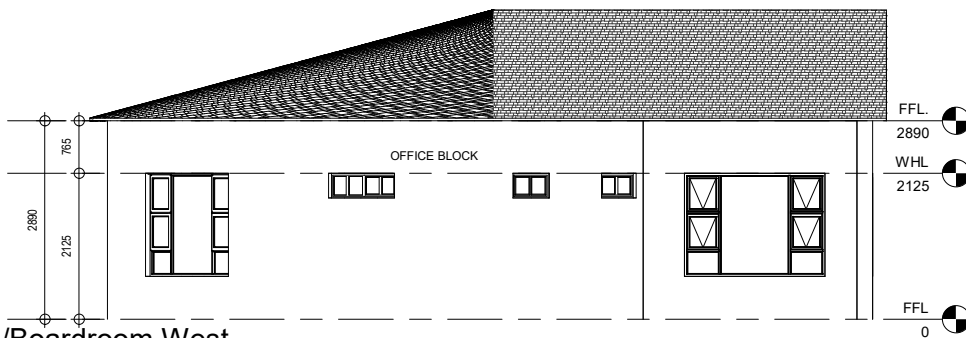
2 Office/Boardroom North
Elevation
1 : 50



1 Office/Boardroom South
Elevation
1 : 50



3 Office/Boardroom East
Elevation
1 : 50



4 Office/Boardroom West
Elevation
1 : 50

NOTES:

Sealant to be non woven polyester G2 or G3 membrane . Top coat - UV resistant flexible acrylic available in black, charcoal, core or red to employers choice.

1. Roof pitch as indicated

0.8mm Profiled Sheetmetal Ridge Capping,
Sealed to Manufacture spec(Chromadek)

3. Profiled roof sheeting on purlins.

4. 75x50mm S.A Pine Purlins at 700mm c/c on Timber Truss.

5. Provide S.A.B.S Approved Waterproofing Membrane Above Roof Trusses acc to Manufacture's spec.

6. S.A Pine Roof Trusses at 1000mm c/c on Wall Plate. Treat All Exposed Timber with approved applicant to Manufacture 's Spec.

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10. Approved face brick with 5mm recessed raked joints.

11. Windows Refer to Window Schedules.

12. Door refer to Door schedule

13. Reinforced brickwork lintols reinforced with X2 6.4mm Ø steel bars horizontally with bentwire stirrups bedding in every third vertical joint along the length of the soldier course.

14. Skirting Refer to Finishing schedules.

15. Floor as per schedule on 40mm screed on concrete slab.

16. 85mm thick Concrete slab on S.A.B.S Approved termite poisoning USB Green water proofing Membrane to Engineer's details

17. S.A.B.S approved D.P.C to Manufacture Spec.

18. 75mm thick apron around building with expansion joints every 3m² width fall away from building.

19. Foundation to Engineers details and Approval.

20. Well compacted consolidated laterite hardcore by Engineer

21. Undisturbed Earth.

22. Provide Metal Flashing

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REVISIONS/WYSIGINGS

Wysigings Revision	Beskrywing/Description	Datum Date



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NELSPRUIT

Client

Kliënt



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:

Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name:

Tekening Naam

Elevations

Drawing No:

Tekening Nr:

JO47-DEA-200-01

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	Nagezien Checked	Checker	Issue Date

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JO47-DEA-200-02

0.8MM Profile IFR ROOF SHEETING
COATED EXTERNALLY AND GALVANIZED EXTERNALLY
@ 18" ON INSULATION ON 38x38mm S.A PINE PURLINS
@ 800mm C/Cs ON PREFABRICATED
TIMBER TRUSSES @950mm CENTRES MAX, ROOF TO
COMPLY WITH PART KK13 OF SANS 10400

6000VPSRUM CEILING BOARDS FIXED
TO 38 x 38 S.A PINE BATTENS
18MM TRUCK (3.33 THERMAL RESISTANCE "R" VALUE)
NON-COMBUSTIBLE, FLAME-RETARDANT POLYESTER FIBRE
AND FOLY REINFORCED TO BE FIRED FROM THE TOP
SANDWICHED BETWEEN THE ROOF TRUSS SYSTEM AND 600
PROFILE ROOF SHEETING AND LAY LOOSE BETWEEN PURLINS

FFL
2890

WHL
2125

FFL
0

NGL
-1000

CONCRETE FOOTINGS TO ENGINEER'S DETAILS
CONCRETE FOOTINGS TO ENGINEER'S DETAILS
CONCRETE FOOTINGS TO ENGINEER'S DETAILS
CONCRETE FOOTINGS TO ENGINEER'S DETAILS

Office/Boardroom Section

1 A-A
1:25

Office/Boardroom Section

2 B-B
1:25

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Wysiging Revision Beskrywing/Description Datum Date



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NELSPRUIT

Client



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Client

Project Name: SWILE MAVOKWENI GAME LODGE

Project Naam

Drawing Name: Sections A-A & B-B

Tekening Naam

Drawing No: JO47-DEA-200-02

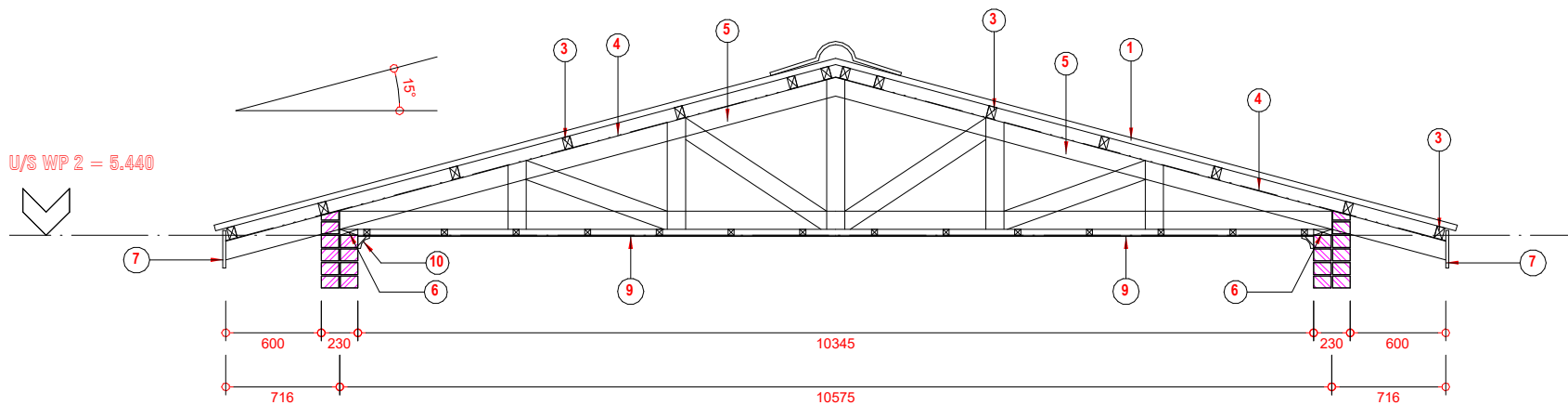
Tekening Nr.

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1:25	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagezien Checked	Checker	Issue Date

APPROVED / GOEDGEKEUR

DATE / DATUM

5/18/2021 8:50:00 AM



ROOF TRUSS TYPE "C"
SCALE 1 : 20

Office/Boardroom Roof
1 Truss Details
1 : 20

NOTES:
Sealant to be non woven polyester G2 or G3 membrane .
Top coat - UV resistant flexible acrylic available in black, charcoal,core or red to employers choice.

1. Profiled roof sheeting on 75x50mm
SA pine purlins on prefabricated roof structure. treat
all exposed timber with approved applicant.
2. Proved Fibre Cement Barge Boad
3. 75x50mm S.A pine Timber Purlins at 700mm
c/c on timber trusses.
4. 0.5mm thick SABS Approved water proofing membane
5. 114x38mm S.A pine Timber Trusses at
1200mm c/c on wall plate
6. 114x38mm S.A pine Timber wall plate
7. 225x15mm Fibre cement fascia board
or other equal approved
8. 38x38mm S.A pine Timber Brandering at 450mm c/c
minimum
9. 6mm thick Fibre cement ceiling to finishing schedule
10. Cornice to finishing schedule
11. Provide Head and Counter Metal Flashing
12. 152x89mm Timber Rafters, Roof Truss
Members to Engineer's Details and Spec
13. Reinforced Concrete Gutter to Engineer's Details and
Spec
14. 120x55mm Channel fixed to Details
15. Profiled roof sheeting

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Wysiging Revision Beskrywing/Description Datum Date



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Project Name: Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Roof Truss Details

Drawing No. Tekening Nr.

JO47-DEA-300-01

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
As indicated	Geteken Drawn	Anthony B.U.E.	Issue Date
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LEGEND

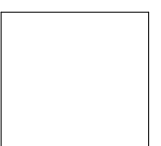
A

Must Comply With SABS 10400

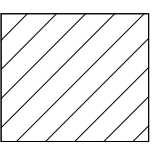
SUSPENDED CEILING TO BE FORMED OF 13mm VINYL CLAD GYPSUM TILES FINISH IN GENERALLY 600 X 600mm PANEL SUPPORTED ON "DONN" T37 BEARER AT 606mm CENTRES IN ONE DIRECTION "DONN" T32 BEARERS AT 1206 CENTRES IN OTHER DIRECTION. THE BEARERS FINISHED WITH CAPPING OF ALLUMINUM PRE-PAINTED LOW SHEEN SATIN TO MATCH COLOUR OF CEILING TILES AND SUSPENDED 200mm BELOW STEEL.

B

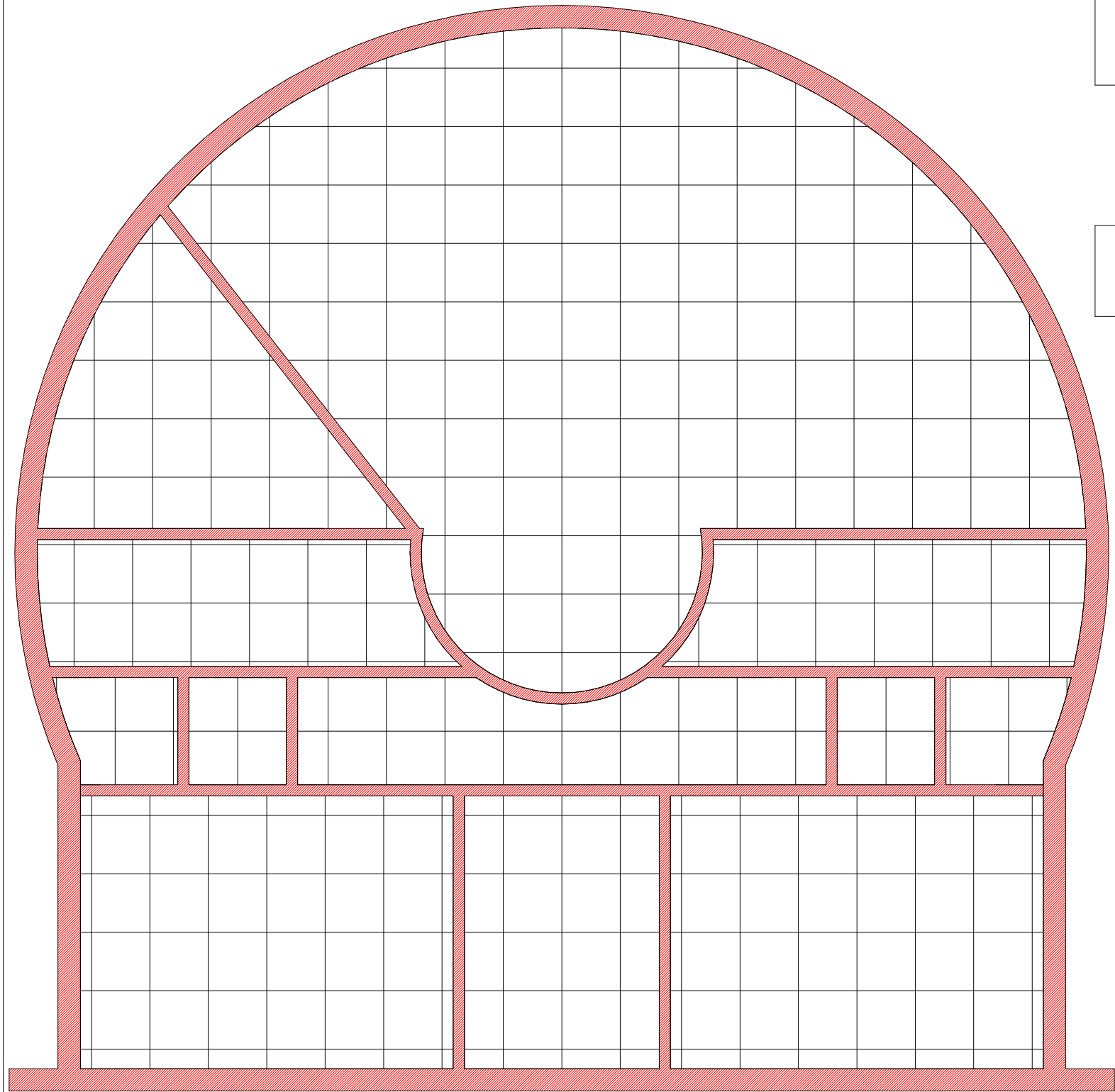
FIBER CEMENT CEILING



CEILING PANELS
STANDARD
600 TO 600mm



CUT CEILING



1 Office/Boardroom Ceiling
Layout Plan
1:25

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Wysiging Revision	Beskriving/Description	Datum Date



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Client



environmental affairs
Department:
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REPUBLIC OF SOUTH AFRICA

Klient

Project Name: SWILE MAVOKWENI GAME LODGE

Drawing Name: Ceiling Layout Plan

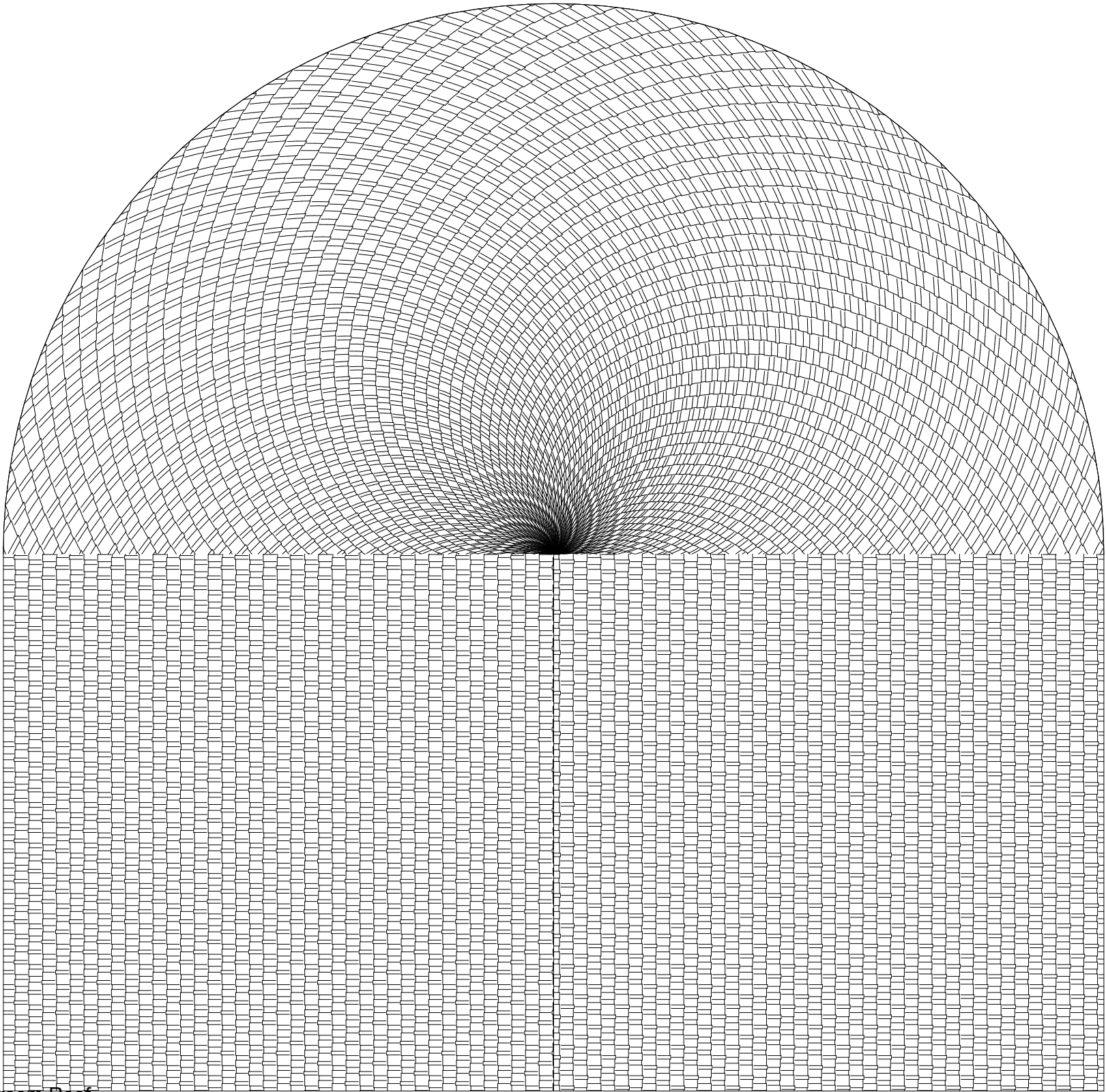
Drawing No. JO47-DEA-300-02

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1 : 25	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagezien Checked	Checker	Issue Date

APPROVED / GOEDGEKEUR

DATE / DATUM

5/18/2021 8:53:30 AM



Office/Boardroom Roof
Layout Plan
1 : 25

NOTES

1. Fibre Cement Facia
2. Wood Float Plaster And Paint
3. Truss By Specialist

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Department:
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REPUBLIC OF SOUTH AFRICA

Project Name: Projek Naam
SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Roof Layout Plan

Drawing No. Tekening No.
JO47-DEA-300-03

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
1 : 25	Geteken Drawn	Anthony B.U.E.	Issue Date
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environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Kliënt

Project Name: _____ Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: _____ Tekening Naam

Door Schedule

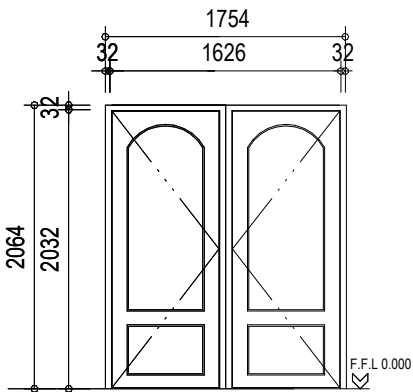
Drawing No. _____ Tekening Nr.

JO47-DEA-400-01

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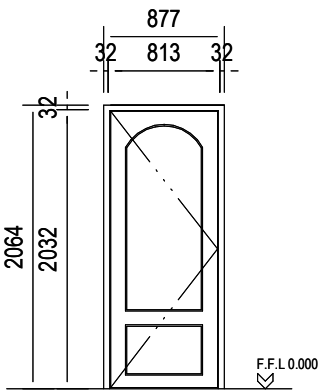
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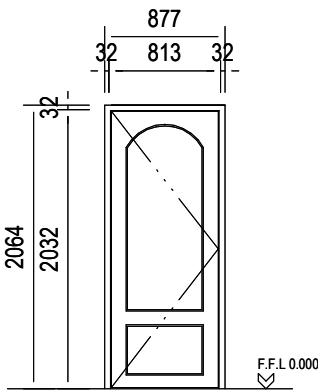
FRAME TYPE	HARD WOOD MERANTI TIMBER FRAME	115 PROFILE	LH	RH
FRAME FINISH	X3 COATS POLYURETHANE VARNISH MATT FINISH.		02	02
DOOR TYPE	STANDARD 1626 x 2032 SOLID DOOR WITH PUSHER BAR			
DOOR FINISH	ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS GLOSS ENAMEL COLOUR TO BE IN ACCORDANCE WITH THE ARCHITECTS FINISHING SCHEDULE	230 PROFILE	01	01
POSITION	OFFICE/BOARDROOM			
IRON MONGERY			03 Required	
		DOOR TYPE		
		STANDARD 1626 x 2032 SOLID DOOR WITH PUSHER BAR		
		PROJECT		
		REVISION 0		

3 Main Door Schedule
1 : 25



FRAME TYPE	HARD WOOD MERANTI TIMBER FRAME	115 PROFILE	LH	RH
FRAME FINISH	X3 COATS POLYURETHANE VARNISH MATT FINISH.		01	02
DOOR TYPE	STANDARD 813 X 2032 X 44 mm SOLID DOOR WITH 3mm MASONATE BOTH SIDES AND CONCEALED EDGES COMPLETE FOR PAINT FINISH			
DOOR FINISH	ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS GLOSS ENAMEL COLOUR TO BE IN ACCORDANCE WITH THE ARCHITECTS FINISHING SCHEDULE	230 PROFILE		
POSITION	OFFICE/BOARDROOM			
IRON MONGERY			03 Nrs Required	
		DOOR TYPE		
		STANDARD 813 X 2032 X 44 mm SOLID DOOR WITH 3mm MASONATE BOTH SIDES AND CONCEALED EDGES COMPLETE FOR PAINT FINISH		
		PROJECT		
		REVISION 0		

2 Office Door Schedule
1 : 25



FRAME TYPE	SEMI HARD WOOD MERANTI TIMBER FRAME	115 PROFILE	LH	RH
FRAME FINISH	X3 COATS POLYURETHANE VARNISH MATT FINISH.		03	03
DOOR TYPE	STANDARD 813 X 2032 X 44 mm SOLID DOOR WITH 3mm MASONATE BOTH SIDES AND CONCEALED EDGES COMPLETE FOR PAINT FINISH			
DOOR FINISH	ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS GLOSS ENAMEL COLOUR TO BE IN ACCORDANCE WITH THE ARCHITECTS FINISHING SCHEDULE	230 PROFILE		
POSITION	OFFICE/BOARDROOM			
IRON MONGERY			06 Nrs Required	
		DOOR TYPE		
		STANDARD 813 X 2032 X 44 mm SEMI SOLID DOOR WITH 3mm MASONATE BOTH SIDES AND CONCEALED EDGES COMPLETE FOR PAINT FINISH		
		PROJECT		
		REVISION 0		

1 Toilet Door Schedule
1 : 25

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REVISIONS/WYSIGINGS

Wysiging Revision Beskrywing/Description Datum Date



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Project Name: Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Window Schedule

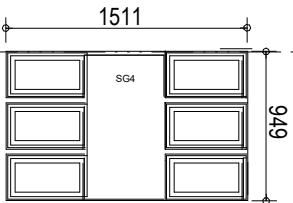
Drawing No. Tekening Nr.

JO47-DEA-400-02

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
1 : 25	Geteken Drawn	Anthony B.U.E.	Issue Date
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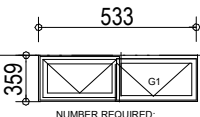
NUMBER REQUIRED:
08

ALL WINDOWS ARE VIEWED FROM THE OUTSIDE.
ALL DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO
MANUFACTURING.

FRAME TYPE	STANDARD STEEL TOP HUNG MECHANISM & BRASS PLATED WINDOW STAYS AND HANDLE.	WINDOW SCHEDULE
FRAME FINISH	METAL VARNISH MATT FINISH.	SCALE: 1:25
GLAZING	6 mm THICK OBSCURE GLASS SECURED IN WINDOW FRAME WITH METAL BEADING	WINDOW NUMBER: 08
POSITION	OFFICE/BOARDROOM	WINDOW TYPE: RESIDENTIAL TYPE: SG4 949 X 1511
BURGLAR BARS	ON ALL OPENING WINDOW SECTIONS. TYPE: B1 COMPRISING OF 20 X 5 MM M/S FLAT BAR. FINISH SEE FRAME FINISH.	PROJECT NO.
REMARKS	CUSTOM MADE	REVISION 0
PROJECT NAME	SWILE MAVOKWENI GAME FARM	COMPUTER REFERENCE: J00378-SR600-01

Main Window Schedule

1 : 25



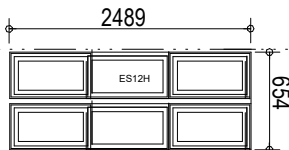
NUMBER REQUIRED:
04

ALL WINDOWS ARE VIEWED FROM THE OUTSIDE.
ALL DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO
MANUFACTURING.

FRAME TYPE	STANDARD STEEL TOP HUNG MECHANISM & BRASS PLATED WINDOW STAYS AND HANDLE.	WINDOW SCHEDULE
FRAME FINISH	METAL VARNISH MATT FINISH.	SCALE: 1:25
GLAZING	6 mm THICK OBSCURE GLASS SECURED IN WINDOW FRAME WITH METAL BEADING	WINDOW NUMBER: 04
POSITION	OFFICE/BOARDROOM	WINDOW TYPE: RESIDENTIAL TYPE: G1 359 X 533
BURGLAR BARS	ON ALL OPENING WINDOW SECTIONS. TYPE: B1 COMPRISING OF 20 X 5 MM M/S FLAT BAR. FINISH SEE FRAME FINISH.	PROJECT NO.
REMARKS	CUSTOM MADE	REVISION 0
PROJECT NAME	SWILE MAVOKWENI GAME FARM	COMPUTER REFERENCE: J00378-SR600-01

Toilet Window Schedule

1 : 25



NUMBER REQUIRED:
01

ALL WINDOWS ARE VIEWED FROM THE OUTSIDE.
ALL DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO
MANUFACTURING.

FRAME TYPE	STANDARD STEEL TOP HUNG MECHANISM & BRASS PLATED WINDOW STAYS AND HANDLE.	WINDOW SCHEDULE
FRAME FINISH	METAL VARNISH MATT FINISH.	SCALE: 1:25
GLAZING	6 mm THICK OBSCURE GLASS SECURED IN WINDOW FRAME WITH METAL BEADING	WINDOW NUMBER: 01
POSITION	HOUSE	WINDOW TYPE: RESIDENTIAL TYPE: ES12H 654 X 2489
BURGLAR BARS	ON ALL OPENING WINDOW SECTIONS. TYPE: B1 COMPRISING OF 20 X 5 MM M/S FLAT BAR. FINISH SEE FRAME FINISH.	PROJECT NO.
REMARKS	CUSTOM MADE	REVISION 0
PROJECT NAME	GEORGE OBIS HOUSE	COMPUTER REFERENCE: J00378-SR600-01

Kitchenette Window

1 : 25

STAFF ACCOMMODATION				
STAFF ACCOMMODATION : 124m ²				
BLOCK	NAME	AREA m ²	FAR	COVERAGE
STAFF ACCOMMODATION		124 m ²		
Bedroom	1	12 m ²		
Bedroom	2	12 m ²		
Bedroom	3	12 m ²		
Bedroom	4	12 m ²		
Toilet	1	4 m ²		
Toilet	2	4 m ²		
Toilet	3	4 m ²		
Toilet	4	4 m ²		
Patio	1	5 m ²		
Patio	2	5 m ²		
Kitchen/Living Room Area 1		11 m ²		
Kitchen/Living Room Area 2		11 m ²		
Passage	1	4 m ²		
Passage	2	4 m ²		

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No./Nr.

REVISIONS/WYSIGINGS

Wysiging Revision Beskrywing/Description Datum Date



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NELSPRUIT

Client



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:

SWILE MAVOKWENI GAME LODGE

Drawing Name:

Floor Layout Plan

Drawing No.

JO46-DAE-100-02

Scale

As indicated

Designed

Ontwerp

Geteken

Drawn

Nagezien

Checked

Checker

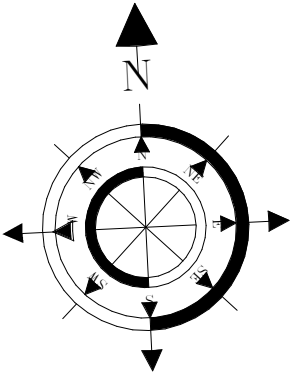
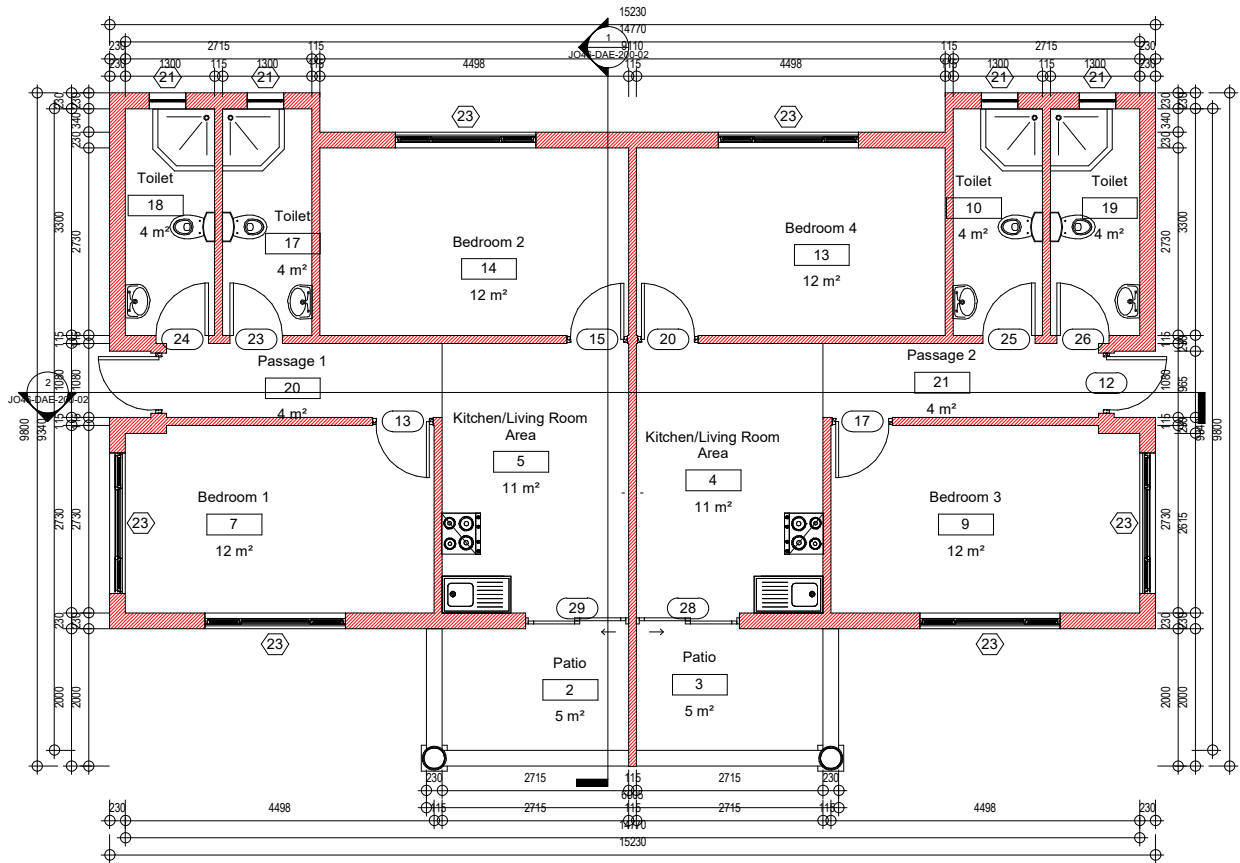
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Issue Date

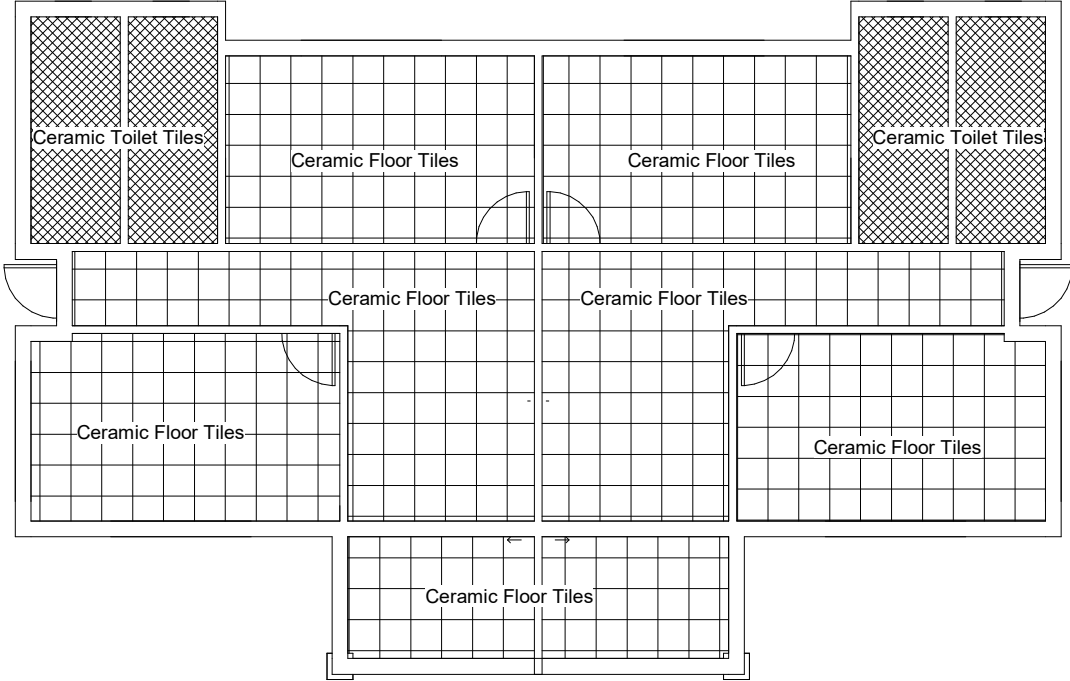
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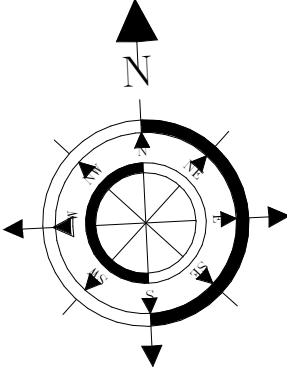
DATE / DATUM



1 Staff Accomodation Floor
Layout Plan
1:50



1 Staff Accomodation Site
Layout Plan
1 : 50



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DRAWING NAME / TEKENING NAAM	No./Nr.

REVISIONS/WYSIGINGS		
Wysiging Revision	Beskriving/Description	Datum Date



PATSON & PARTNERS

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Email: patsonqs@gmail.com

NELSPRUIT



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: Projek Naam:

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam:

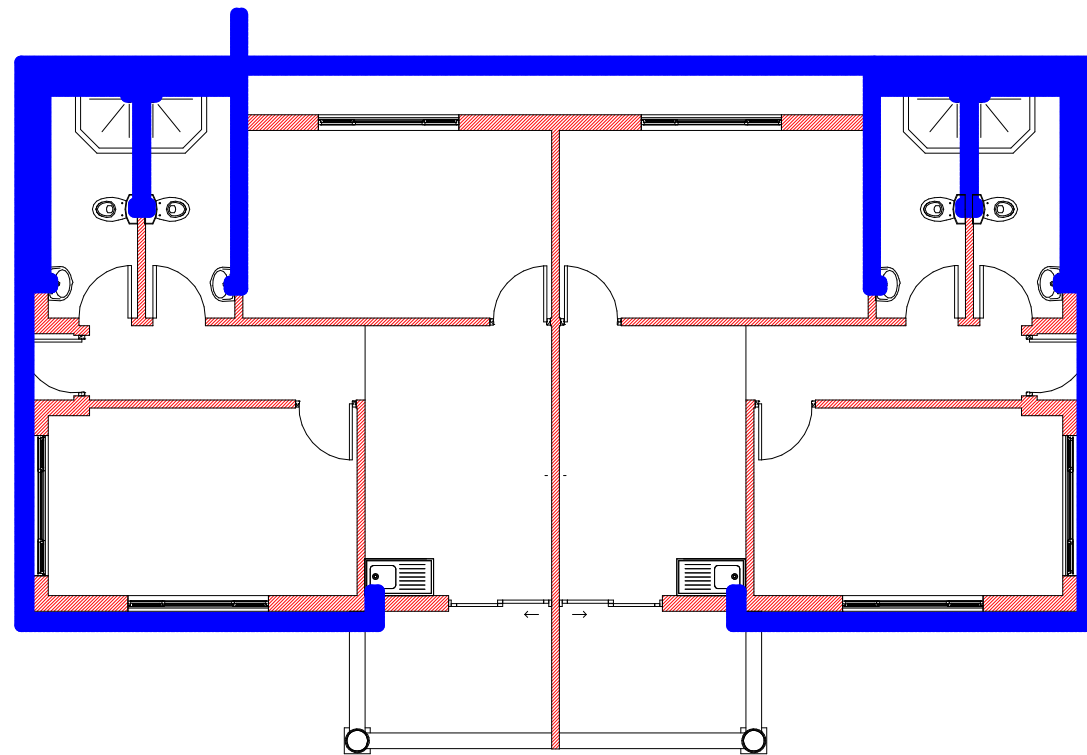
Site Layout Plan

Drawing No. Tekening Nr.:

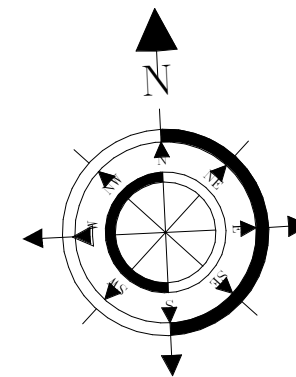
JO46-DAE-100-01

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
1 : 50	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagezien Checked	Checker	Issue Date

APPROVED / GOEDGEKEUR DATE / DATUM



1 Staff Accomodation Cold
Water Layout Plan
1 : 50



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Wysiging Revision	Beskriving/Description	Datum Date



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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Cold Water Layout Plan

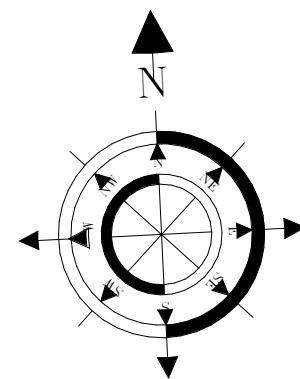
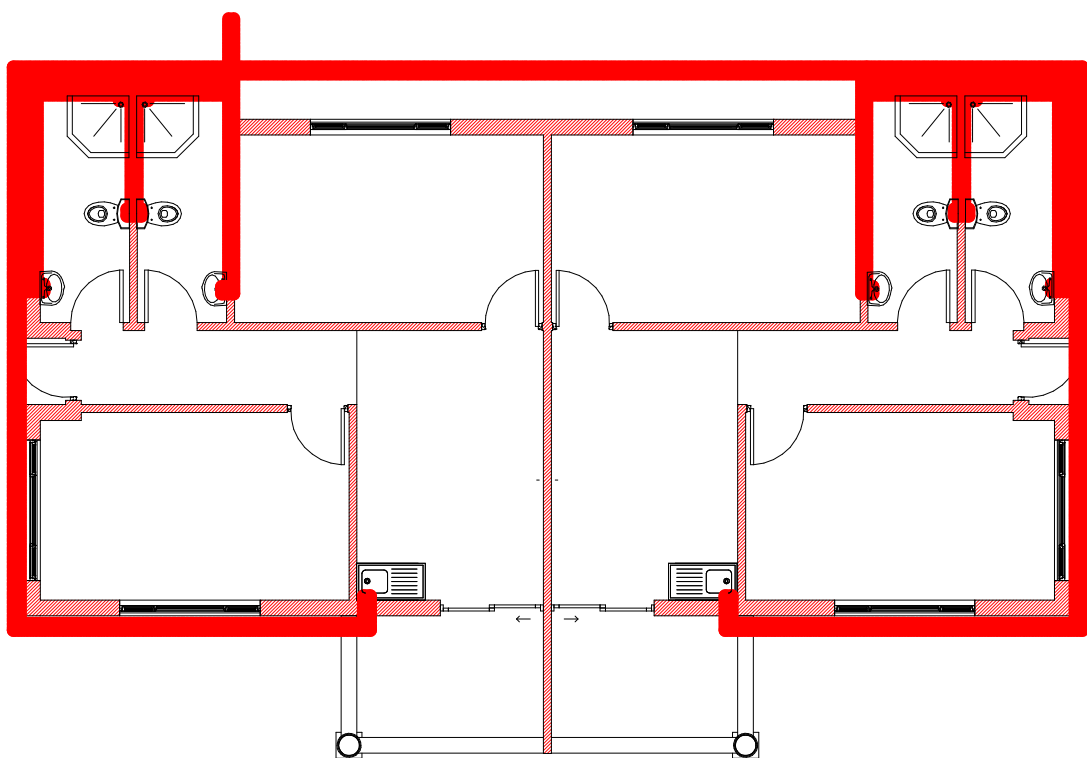
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JO46-DAE-100-03

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	Nagezien Checked	Checker	Issue Date

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1 Staff Accommodation Hot Water Layout Plan
1 : 50

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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam: _____

SWILE MAVOKWENI GAME LODGE

Drawing Name: _____ Tekening Naam: _____

Hot Water Layout Plan

Drawing No: _____ Tekening Nr.: _____

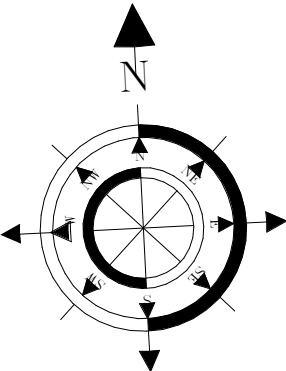
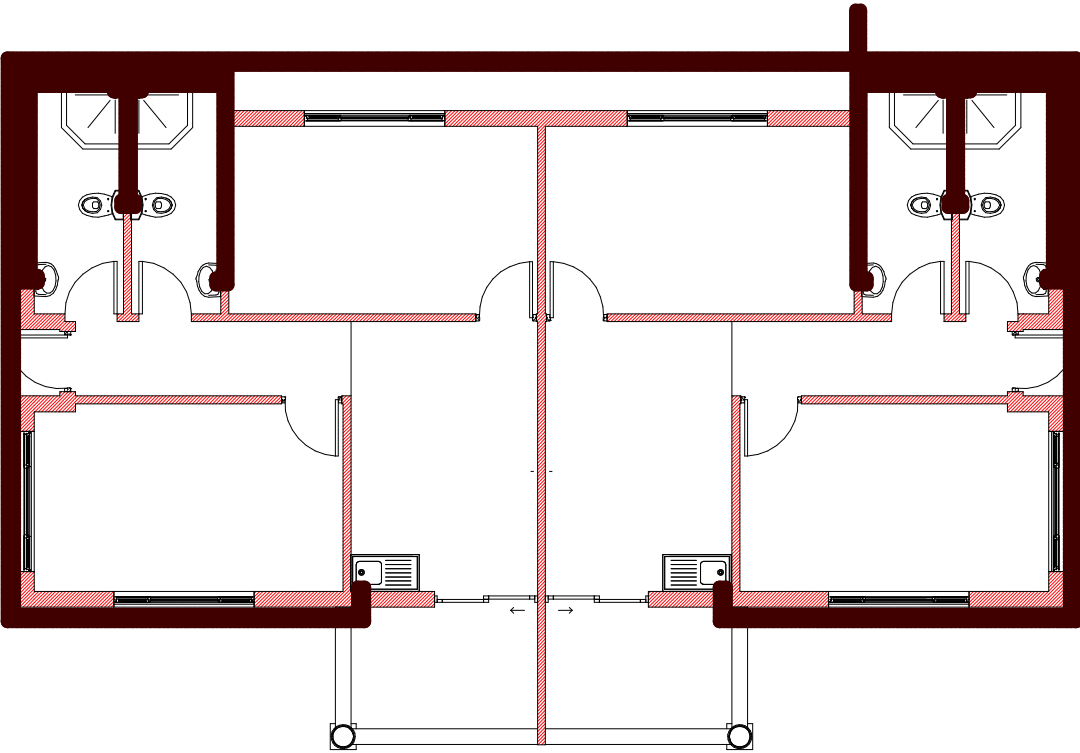
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Wysigings Revision	Beskrywing/Description	Datum Date



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environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Klient

Project Name: Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Sewer Layout Plan

Drawing No. Tekening Nr.

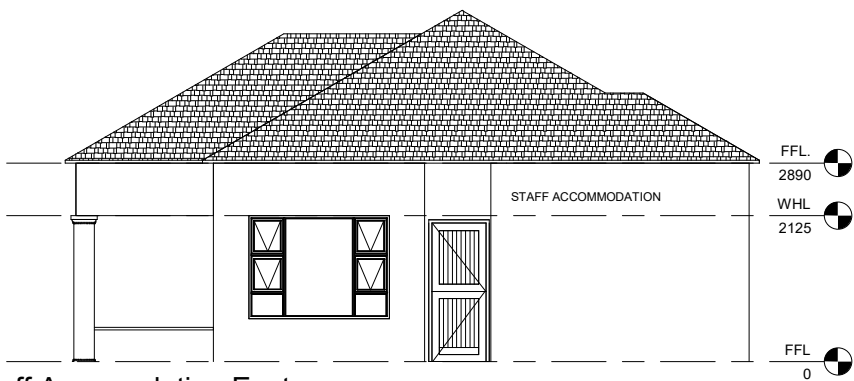
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	Nagezien Checked	Checker	Issue Date

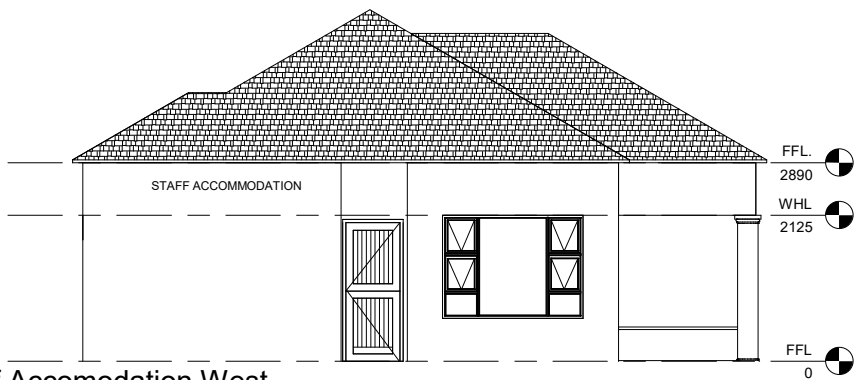
APPROVED / GOEDGEKEUR DATE / DATUM

Staff Accomodation Sewer
1 Layout Plan
1 : 50

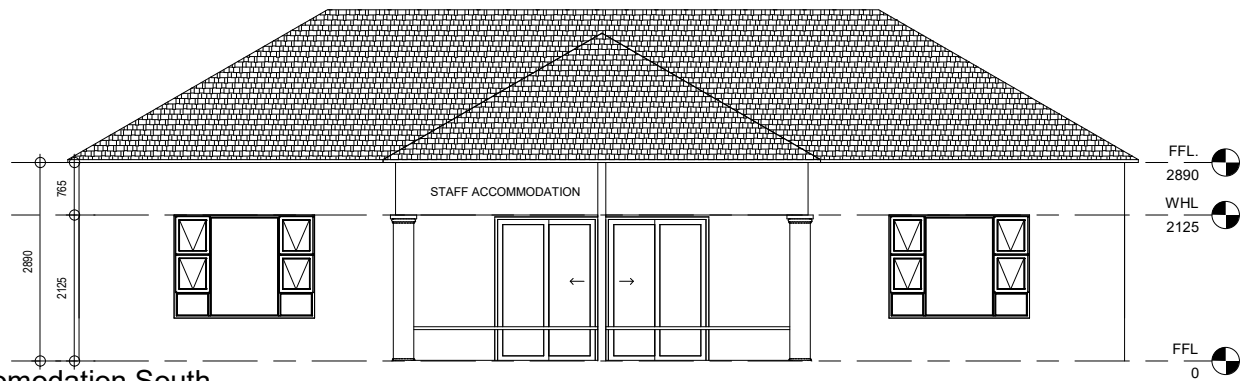
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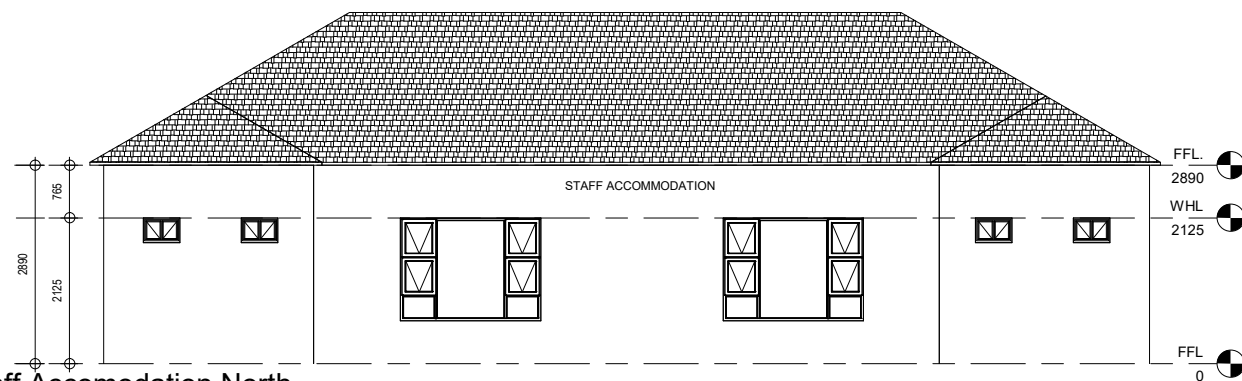
1 Staff Accomodation East
Elevation
1:50



5 Staff Accomodation West
Elevation
1:50



3 Staff Accomodation South
Elevation
1:50



2 Staff Accomodation North
Elevation
1:60

NOTES:

Sealant to be non woven polyester G2 or G3 membrane . Top coat - UV resistant flexible acrylic available in black,charcoal,core or red to employers choice.

1. Roof pitch as indicated

0.8mm Profiled Sheetmetal Ridge Capping, Sealed to Manufacture spec(Chromadek)

3. Profiled roof sheeting on purlins.

4. 75x50mm S.A Pine Purlins at 700mm c/c on Timber Truss.

2. Provide S.A.B.S Approved Waterproofing Membrane Above Roof Trusses acc to Manufacture's spec.

6. S.A Pine Roof Trusses at 1000mm c/c on Wall Plate. Treat All Exposed Timber with approved applicant to Manufacture 's Spec.

7. 114x38mm S.A Pine Timber Wall Plate.

8. 225x15mm Fibre Cement Fascia Board or Other Equal approved.

9. Ceiling Refer To Finishing Schedules.

10. Approved face brick with 5mm recessed raked joints.

11. Windows Refer to Window Schedules.

12. Door refer to Door schedule

13. Reinforced brickwork lintols reinforced with X2 6.4mm Ø steel bars horizontally with bentwire stirrups bedding in every third vertical joint along the length of the soldier course.

14. Skirting Refer to Finishing schedules.

15. Floor as per schedule on 40mm screed on concrete slab.

16. 85mm thick Concrete slab on S.A.B.S Approved termite poisoning USB Green water proofing Membrane to Engineer's details

17. S.A.B.S approved D.P.C to Manufacture Spec.

18. 75mm thick apron around building with expansion joints every 3m² width fall away from building.

19. Foundation to Engineers details and Approval.

20. Well compacted consolidated laterite hardcore by Engineer

21. Undisturbed Earth.

22. Provide Metal Flashing

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REFERENCE DRAWINGS

DRAWING NAME / TEKENING NAAM No./Nr.

REVISIONS/WYSIGINGS

Wysiging Revision Beskrywing/Description Datum Date

 PATSON & PARTNERS
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Client Klient

 **environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Elevations

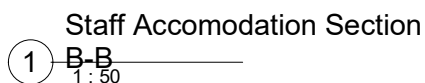
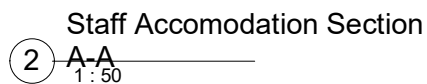
Drawing No. Tekening Nr.

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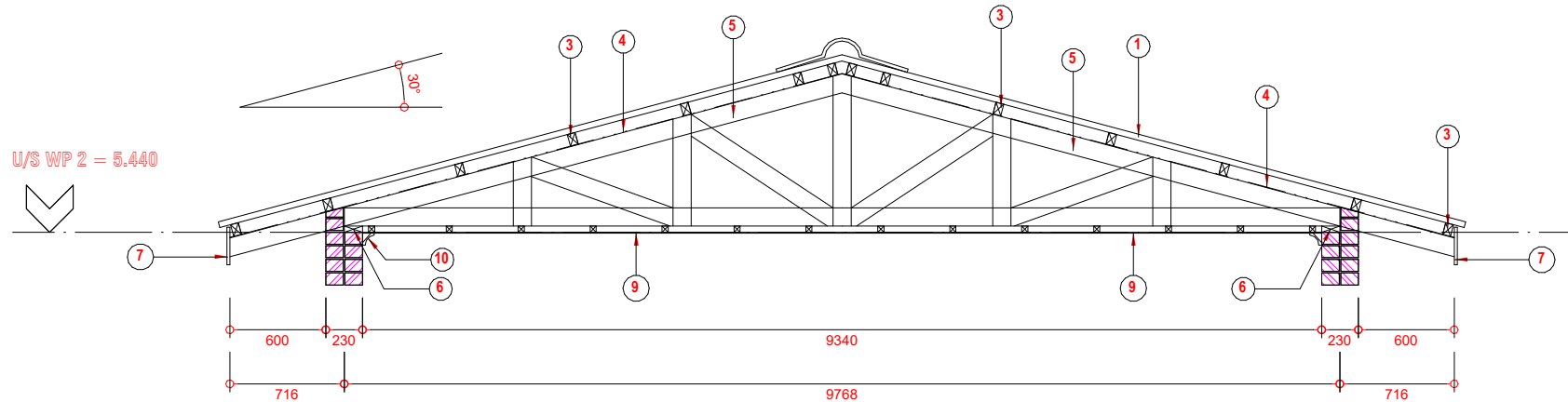
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	Nagaan Checked	Checker	Issue Date

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ROOF TRUSS TYPE "C"
SCALE 1 : 25

1 Staff Accommodation Roof
Truss Details
1 : 25

NOTES:
Sealant to be non woven polyester G2 or G3 membrane .
Top coat - UV resistant flexible acrylic available in black, charcoal,core or red to employers choice.

1. Profiled roof sheeting on 75x50mm
SA pine purlins on prefabricated roof structure. treat
all exposed timber with approved applicant.
2. Proved Fibre Cement Barge Boad
3. 75x50mm S.A pine Timber Purlins at 700mm
c/c on timber trusses.
4. 0.5mm thick SABS Approved water proofing membane
5. 114x38mm S.A pine Timber Trusses at
1200mm c/c on wall plate
6. 114x38mm S.A pine Timber wall plate
7. 225x15mm Fibre cement fascia board
or other equal approved
8. 38x38mm S.A pine Timber Branderling at 450mm c/c
minimum
9. 6mm thick Fibre cement ceiling to finishing schedule
10. Cornice to finishing schedule
11. Provide Head and Counter Metal Flashing
12. 152x89mm Timber Rafters, Roof Truss
Members to Engineer's Details and Spec
13. Reinforced Concrete Gutter to Engineer's Details and
Spec
14. 120x55mm Channel fixed to Details
15. Profiled roof sheeting

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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam _____
SWILE MAVOKWENI GAME LODGE

Drawing Name: _____ Tekening Naam _____

Roof Truss Details

Drawing No. _____ Tekening Nr. _____

JO46-DAE-300-01

Scale _____

As indicated

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Drawn
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Checked

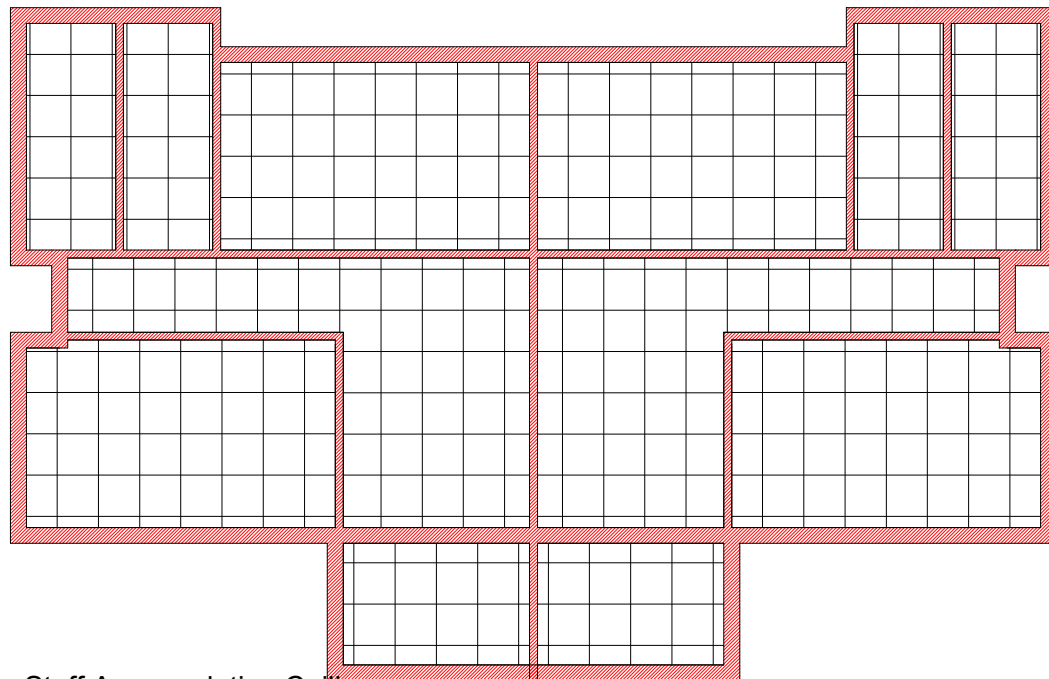
Anthony B.U.E.
Anthony B.U.E.
Checker

Issue Date
Issue Date
Issue Date

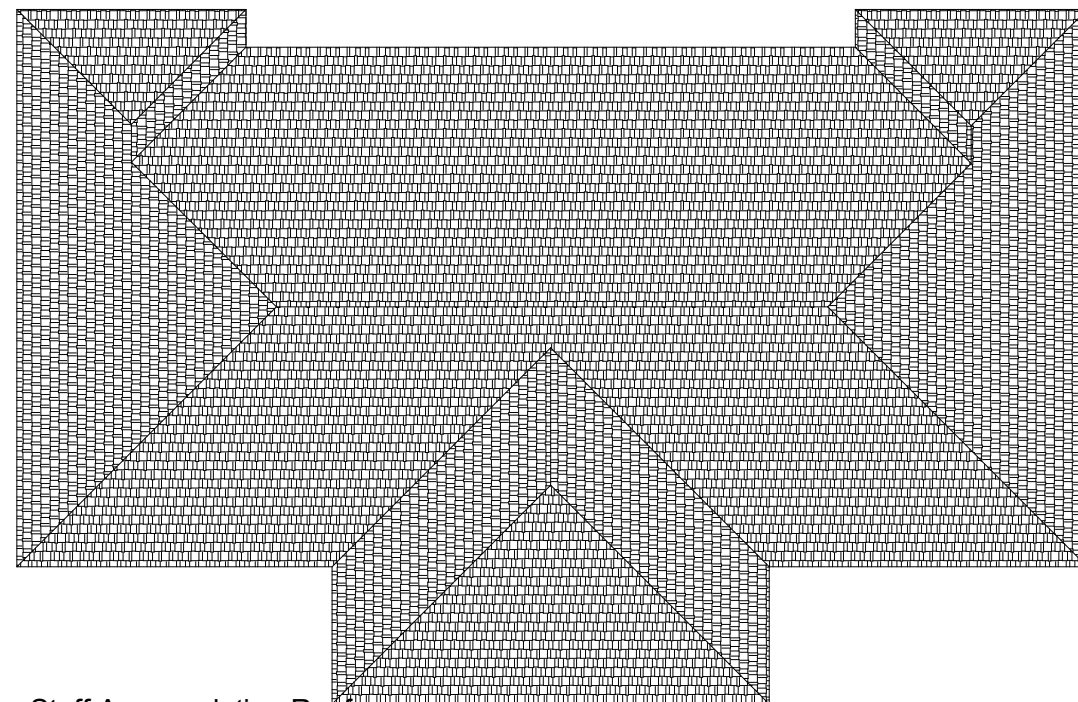
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1 Staff Accommodation Ceiling
Layout Plan
1:50



2 Staff Accommodation Roof
Layout Plan
1:50

LEGEND

A

B

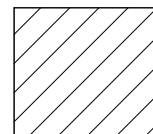
Must Comply With SABS 10400

SUSPENDED CEILING TO BE FORMED OF 13mm VINYL CLAD GYPSUM TILES FINISH IN GENERALLY 600 X 600mm PANEL SUPPORTED ON "DONN" T37 BEARER AT 606mm CENTRES IN ONE DIRECTION "DONN" T32 BEARERS AT 1206 CENTRES IN OTHER DIRECTION. THE BEARERS FINISHED WITH CAPPING OF ALLUMINUM PRE-PAINTED LOW SHEEN SATIN TO MATCH COLOUR OF CEILING TILES AND SUSPENDED 200mm BELOW STEEL.

FIBER CEMENT CEILING



CEILING PANELS
STANDARD
600 TO 600mm



CUT CEILING

NOTES

1. Fibre Cement Facia
2. Wood Float Plaster And Paint
3. Truss By Specialist

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REPUBLIC OF SOUTH AFRICA

Project Name: SWILE MAVOKWENI GAME LODGE

Drawing Name: Ceiling & Roof Plan

Drawing No. JO46-DAE-300-02

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
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Kliënt



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Door Schedule

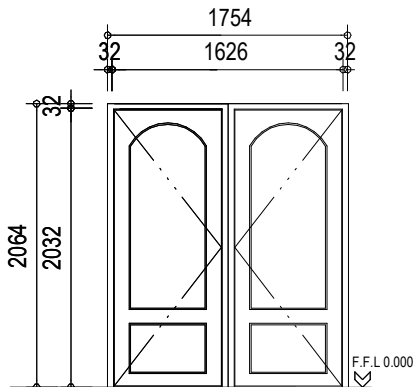
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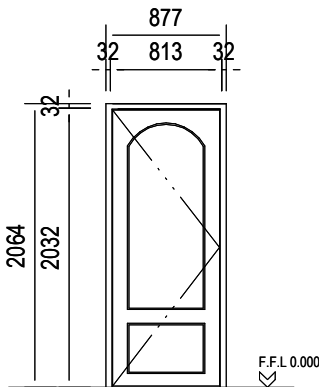


FRAME TYPE	HARD WOOD MERANTI TIMBER FRAME
FRAME FINISH	X3 COATS POLYURETHANE VARNISH MATT FINISH.
DOOR TYPE	STANDARD 1626 x 2032 SOLID DOOR WITH PUSHER BAR
DOOR FINISH	ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS GLOSS ENAMEL COLOUR TO BE IN ACCORDANCE WITH THE ARCHITECTS FINISHING SCHEDULE.
POSITION	STAFF ACCOMMODATION
IRON MONGERY	

115 PROFILE	LH	RH
230 PROFILE	D1	D1
	1 Required	
DOOR TYPE	STANDARD 1626 x 2032 SOLID DOOR WITH PUSHER BAR	
PROJECT		
REVISION	0	

1 Main Door Schedule

1 : 25

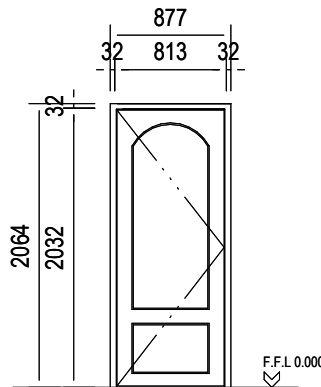


FRAME TYPE	HARD WOOD MERANTI TIMBER FRAME
FRAME FINISH	X3 COATS POLYURETHANE VARNISH MATT FINISH.
DOOR TYPE	STANDARD 813 X 2032 X 44 mm SOLID DOOR WITH 3mm MASONATE BOTH SIDES AND CONCEALED EDGES COMPLETE FOR PAINT FINISH
DOOR FINISH	ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS GLOSS ENAMEL COLOUR TO BE IN ACCORDANCE WITH THE ARCHITECTS FINISHING SCHEDULE.
POSITION	STAFF ACCOMMODATION
IRON MONGERY	

115 PROFILE	LH	RH
	02 LH	02 RH
230 PROFILE	01 LH	01 RH
	06 Ns Required	
DOOR TYPE	STANDARD 813 X 2032 X 44 mm SOLID DOOR WITH 3mm MASONATE BOTH SIDES AND CONCEALED EDGES COMPLETE FOR PAINT FINISH	
PROJECT		
REVISION	0	

2 Room Door Schedule

1 : 25

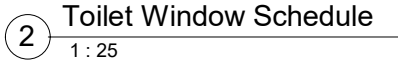


FRAME TYPE	SEMI-HARD WOOD MERANTI TIMBER FRAME
FRAME FINISH	X3 COATS POLYURETHANE VARNISH MATT FINISH.
DOOR TYPE	STANDARD 813 X 2032 X 44 mm SEMI-SOLID DOOR WITH 3mm MASONATE BOTH SIDES AND CONCEALED EDGES COMPLETE FOR PAINT FINISH
DOOR FINISH	ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS GLOSS ENAMEL COLOUR TO BE IN ACCORDANCE WITH THE ARCHITECTS FINISHING SCHEDULE.
POSITION	STAFF ACCOMMODATION
IRON MONGERY	

115 PROFILE	LH	RH
	01 03	02 04
230 PROFILE		
	04 Ns Required	
DOOR TYPE	STANDARD 813 X 2032 X 44 mm SEMI-SOLID DOOR WITH 3mm MASONATE BOTH SIDES AND CONCEALED EDGES COMPLETE FOR PAINT FINISH	
PROJECT		
REVISION	0	

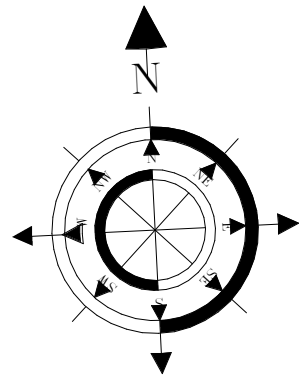
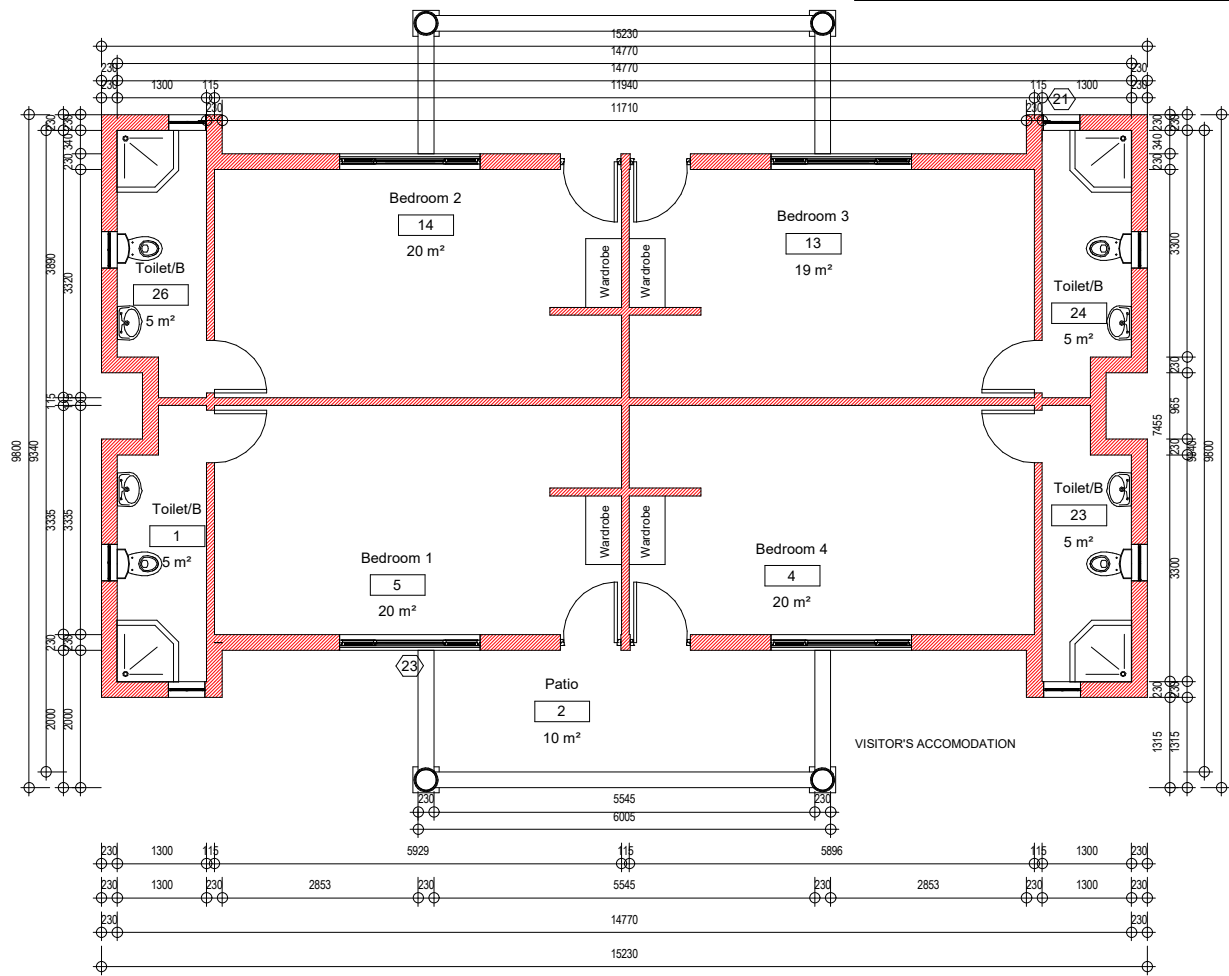
3 Toilet Door Schedule

1 : 25



APPROVED / GOEDGEKEUR _____	DATE / DATUM _____

SCHEDULE OF VISITORS ACCOMMODATION				
VISITORS ACCOMMODATION : 137m ²				
BLOCK	NAME	AREA m ²	FAR	COVERAGE
VISITORS ACCOMMODATION		137 m ²		
Bedroom 1		20 m ²		
Bedroom 2		20 m ²		
Bedroom 3		19 m ²		
Bedroom 4		20 m ²		
Patio 1		10 m ²		
Toilet 1		5 m ²		
Toilet 2		5 m ²		
Toilet 3		5 m ²		
Toilet 4		5 m ²		
Patio 2		10 m ²		



1 Visitors Accomodation Floor
Layout Plan
1:50

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Wysiging Revision	Beskriving/Description	Datum Date

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25 Roodt Street
Nelspruit, 1200
Phone: 0839992023
Fax: 086 662 8877
Vat: 476 027 7733
Email: patsonqs@gmail.com
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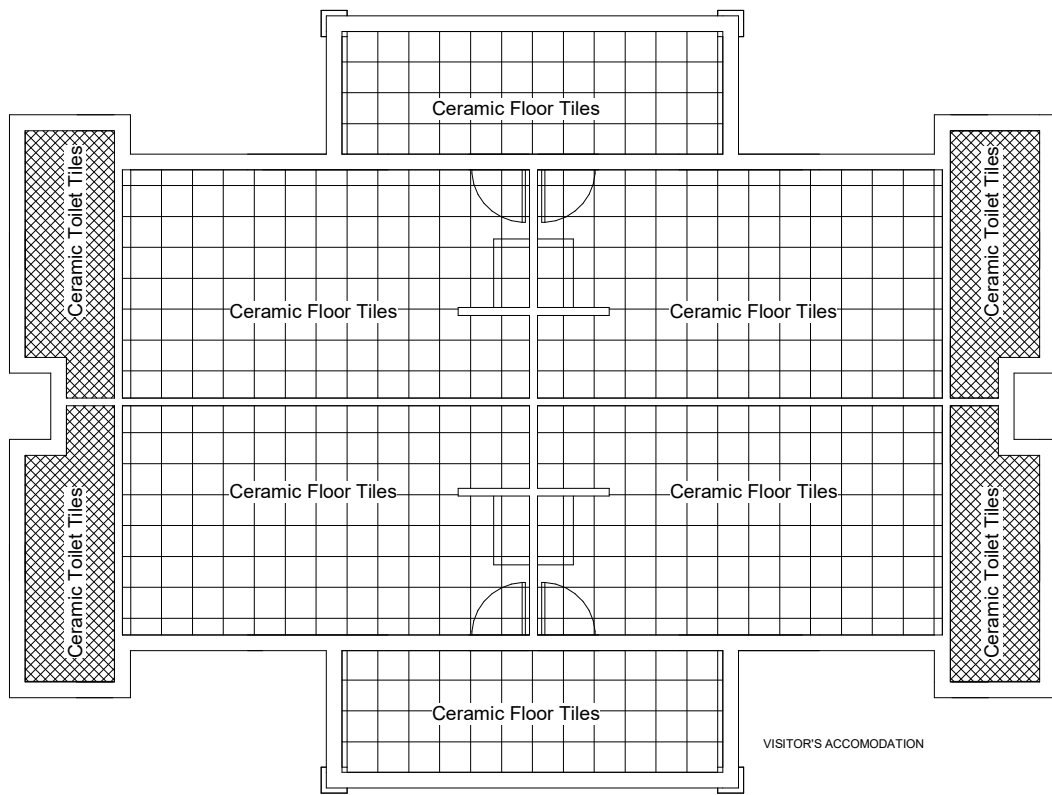
Client
Klient
 **environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam: _____
SWILE MAVOKWENI GAME LODGE
Drawing Name: _____ Tekening Naam: _____
Floor Layout Plan
Drawing No.: _____ Tekening Nr.: _____
J050-DEA-100-02

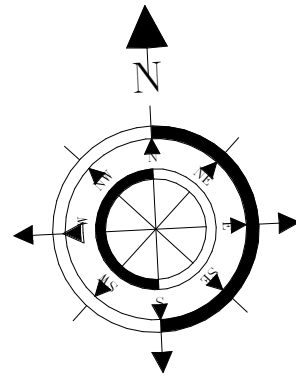
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As indicated	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagezien Checked	Checker	Issue Date

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5/7/2021 4:56:16 PM



1 Visitors Accomodation Floor
Tiles Layout
1 : 50



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Department:
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Klient

Project Name:	Projek Naam
SWILE MAVOKWENI GAME LODGE	

Drawing Name:	Tekening Naam
Floor Tiles Layout	

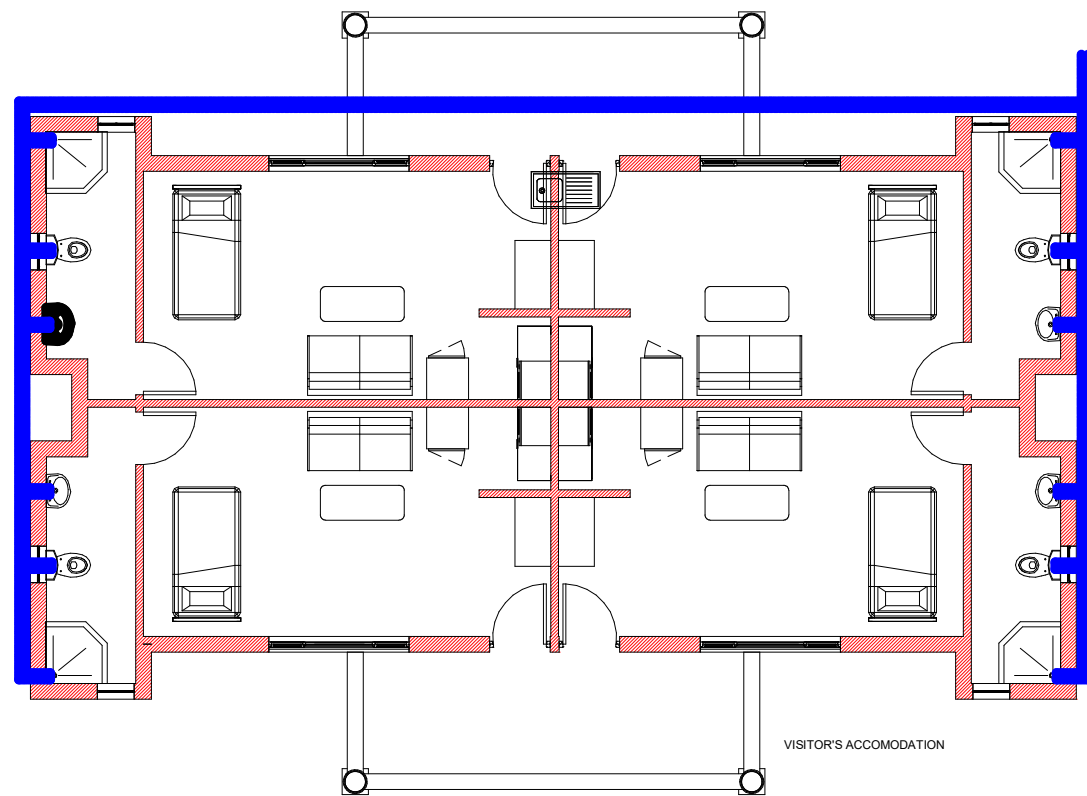
Drawing No:	Tekening Nr.
J050-DEA-100-01	

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	Nagaan Checked	Checker	Issue Date

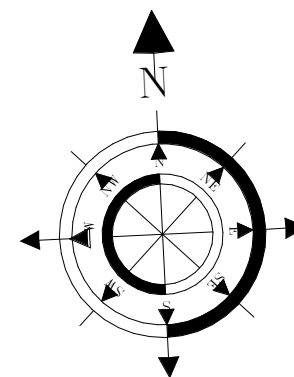
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5/7/2021 4:52:20 PM



VISITOR'S ACCOMODATION



1 Visitors Accomodation Cold
Water Layout Plan
1 : 50

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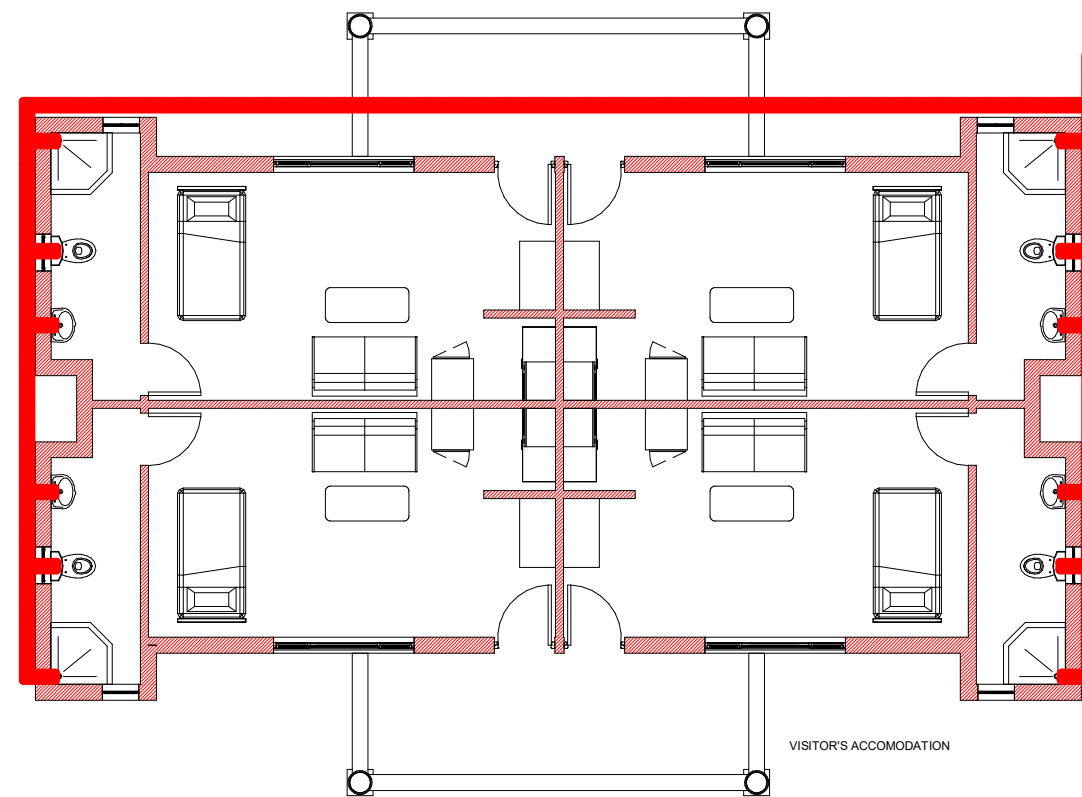
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:	Projek Naam		
SWILE MAVOKWENI GAME LODGE			
Drawing Name:	Tekening Naam		
Cold Water Layout Plan			
Drawing No:	Tekening Nr.		
J050-DEA-100-03			
Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
1 : 50	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagezien Checked	Checker	Issue Date

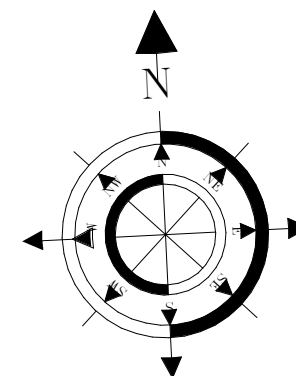
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DATE / DATUM

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1 Visitors Accommodation Hot Water Layout Plan
1:50



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 Department:
 Environmental Affairs
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Project Name: **SWILE MAVOKWENI GAME LODGE**

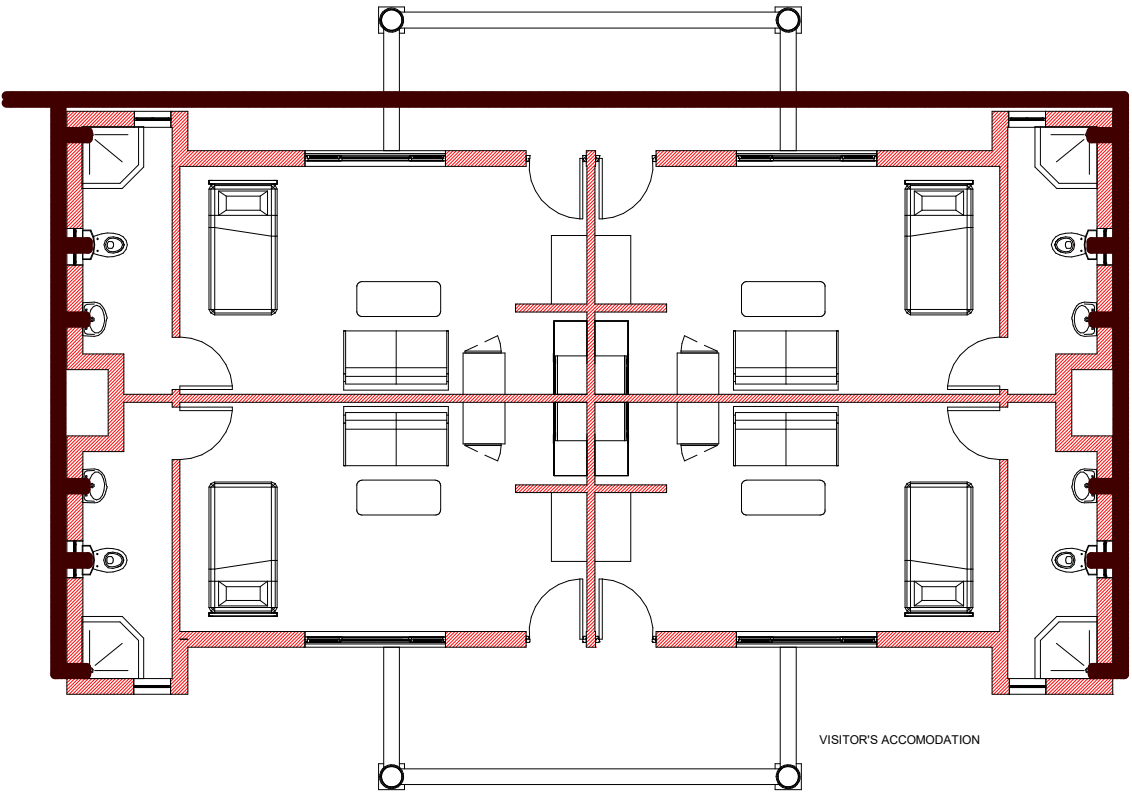
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Drawing No: **J050-DEA-100-04**

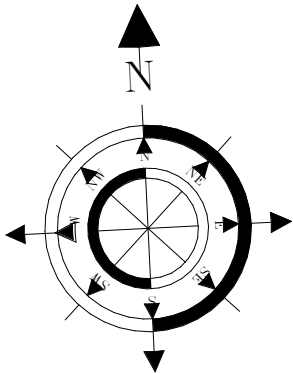
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1 Visitors Accomodation
Sewer Layout Plan
1 : 50



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Client Klient



Project Name: Projek Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name: Tekening Naam

Sewer Layout Plan

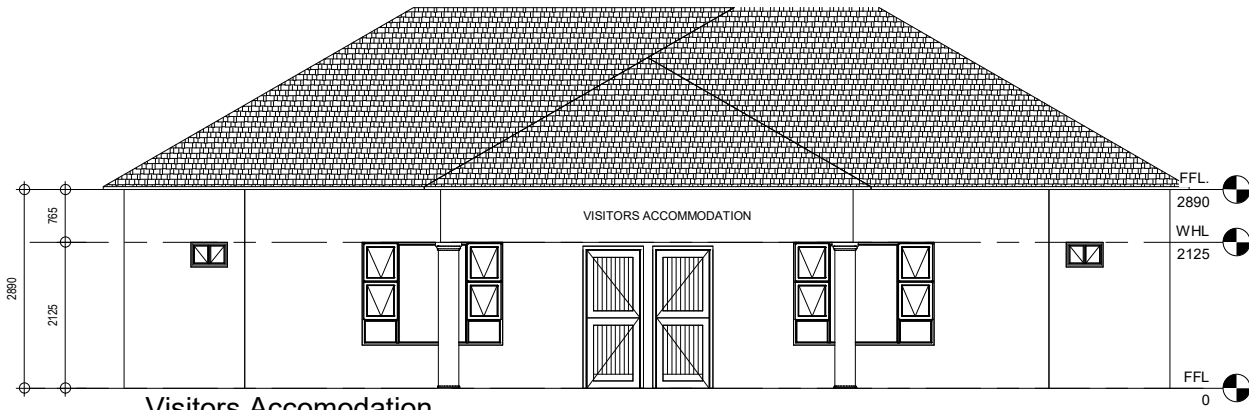
Drawing No. Tekening Nr.

J050-DEA-100-05

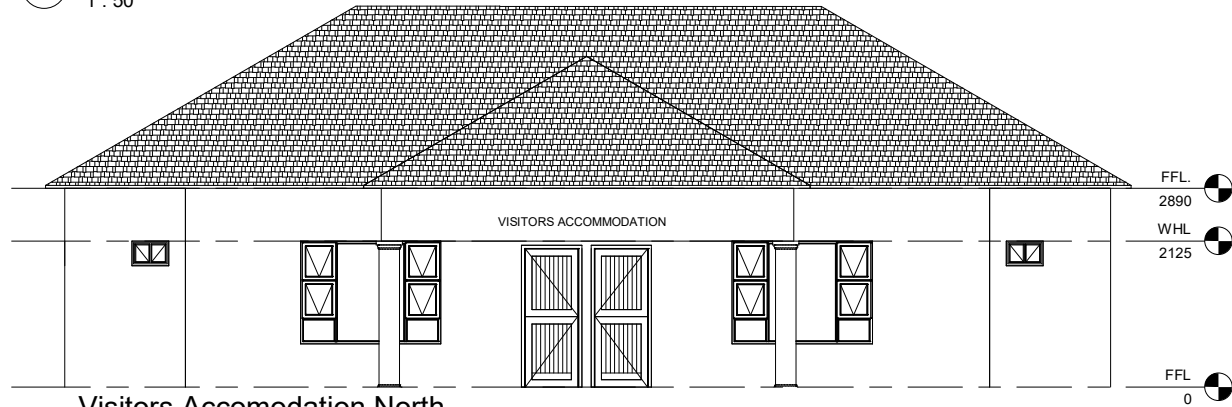
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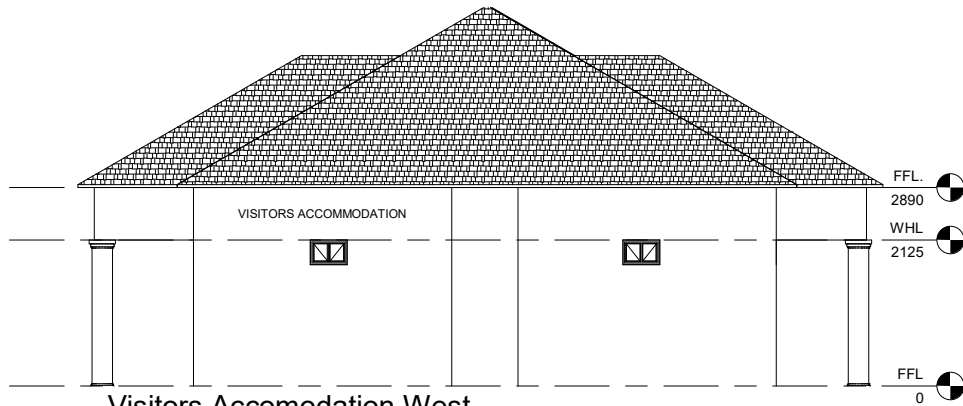
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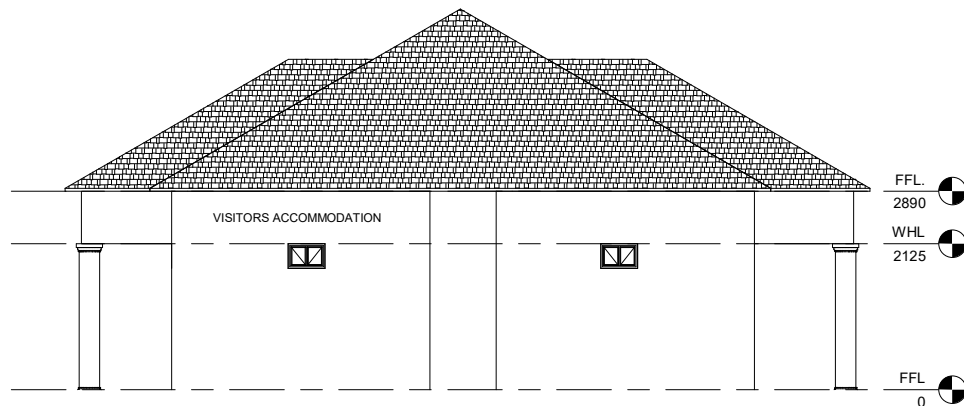
1 Visitors Accommodation
South Elevation
1 : 50



2 Visitors Accommodation North
Elevation
1 : 50



3 Visitors Accommodation West
Elevation
1 : 50



4 Visitors Accommodation East
Elevation
1 : 50

NOTES:

Sealant to be non woven polyester G2 or G3 membrane . Top coat - UV resistant flexible acrylic available in black,charcoal,core or red to employers choice.

- Roof pitch as indicated
- 0.8mm Profiled Sheetmetal Ridge Capping, Sealed to Manufacture spec(Chromadek)
- Profiled roof sheeting on purlins.
- 75x50mm S.A Pine Purlins at 700mm c/c on Timber Truss.
- Provide S.A.B.S Approved Waterproofing Membrane Above Roof Trusses acc to Manufacture's spec.
- S.A Pine Roof Trusses at 1000mm c/c on Wall Plate. Treat All Exposed Timber with approved applicant to Manufacture 's Spec.
- 114x38mm S.A Pine Timber Wall Plate.
- 225x15mm Fibre Cement Fascia Board or Other Equal approved.
- Ceiling Refer To Finishing Schedules.
- Approved face brick with 5mm recessed raked joints.
- Windows Refer to Window Schedules.
- Door refer to Door schedule
- Reinforced brickwork lintols reinforced with X2 6.4mm Ø steel bars horizontally with bentwire stirrups bedding in every third vertical joint along the length of the soldier course.
- Skirting Refer to Finishing schedules.
- Floor as per schedule on 40mm screed on concrete slab.
- 85mm thick Concrete slab on S.A.B.S Approved termite poisoning USB Green water proofing Membrane to Engineer's details
- S.A.B.S approved D.P.C to Manufacture Spec.
- 75mm thick apron around building with expansion joints every 3m² width fall away from building.
- Foundation to Engineers details and Approval.
- Well compacted consolidated laterite hardcore by Engineer
- Undisturbed Earth.
- Provide Metal Flashing

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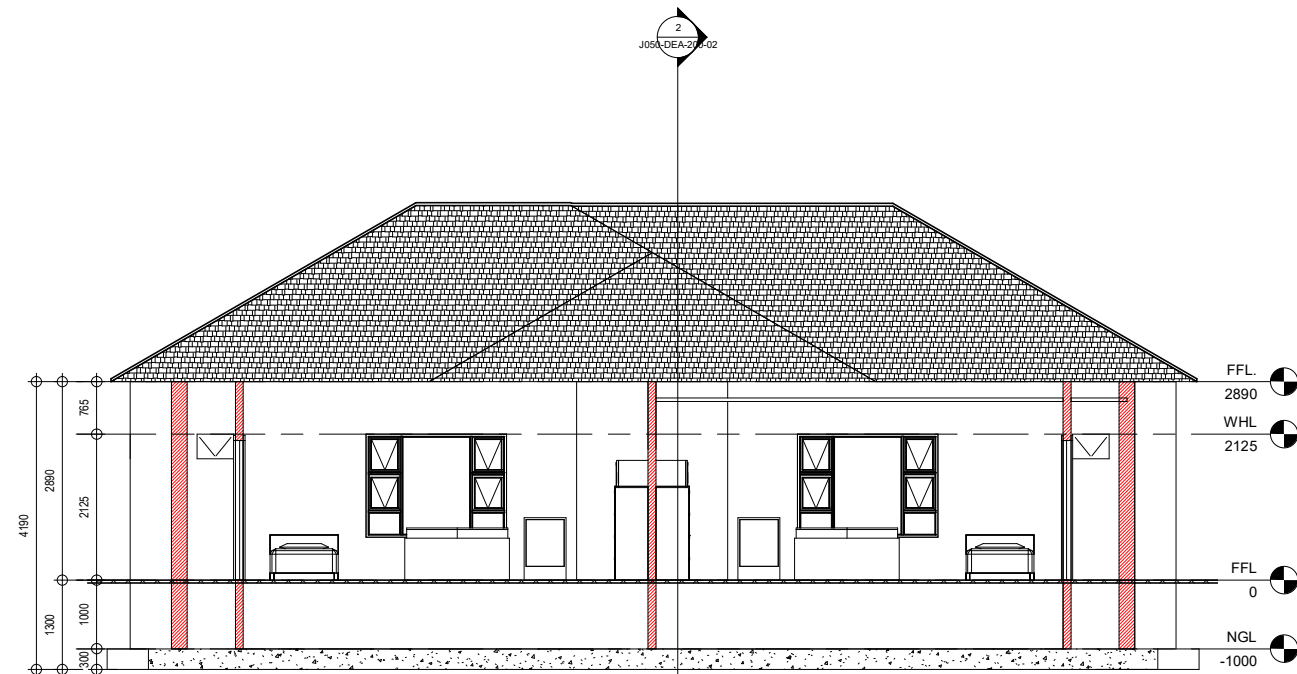
Client
Kliënt
 **environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: Projek Naam
SWILE MAVOKWENI GAME LODGE
Drawing Name: Tekening Naam
Elevation
Drawing No.: Tekening Nr:
J050-DEA-200-01

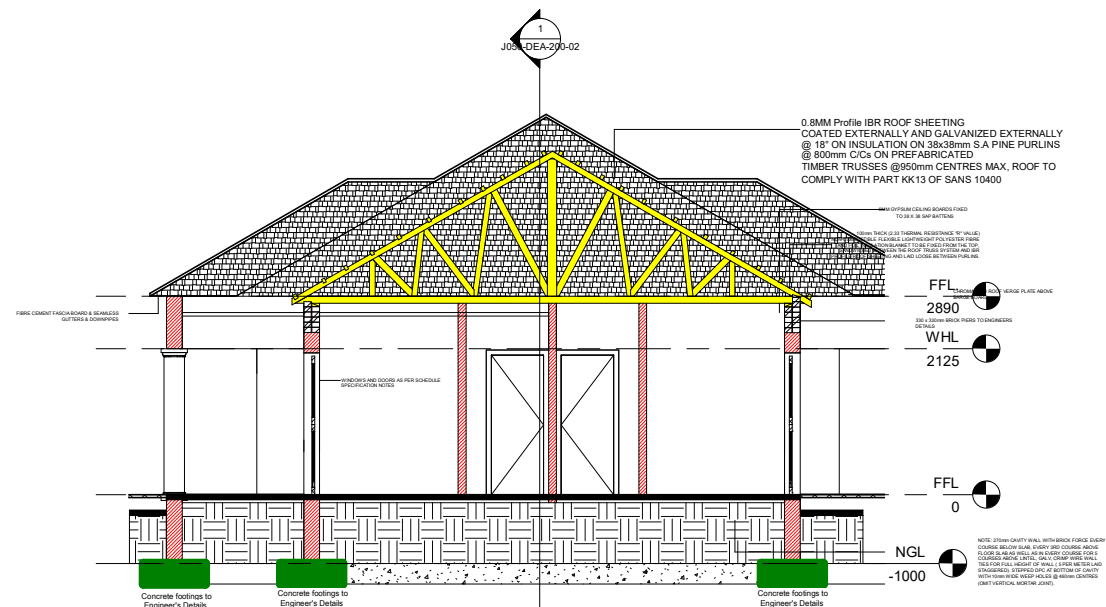
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5/7/2021 5:07:28 PM



1 Visitors Accommodation
Section A-A
1:50



2 Visitors Accommodation
Section B-B
1:50

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Project Name:

SWILE MAVOKWENI GAME LODGE

Drawing Name:

Sections A-A & B-B

Drawing No:

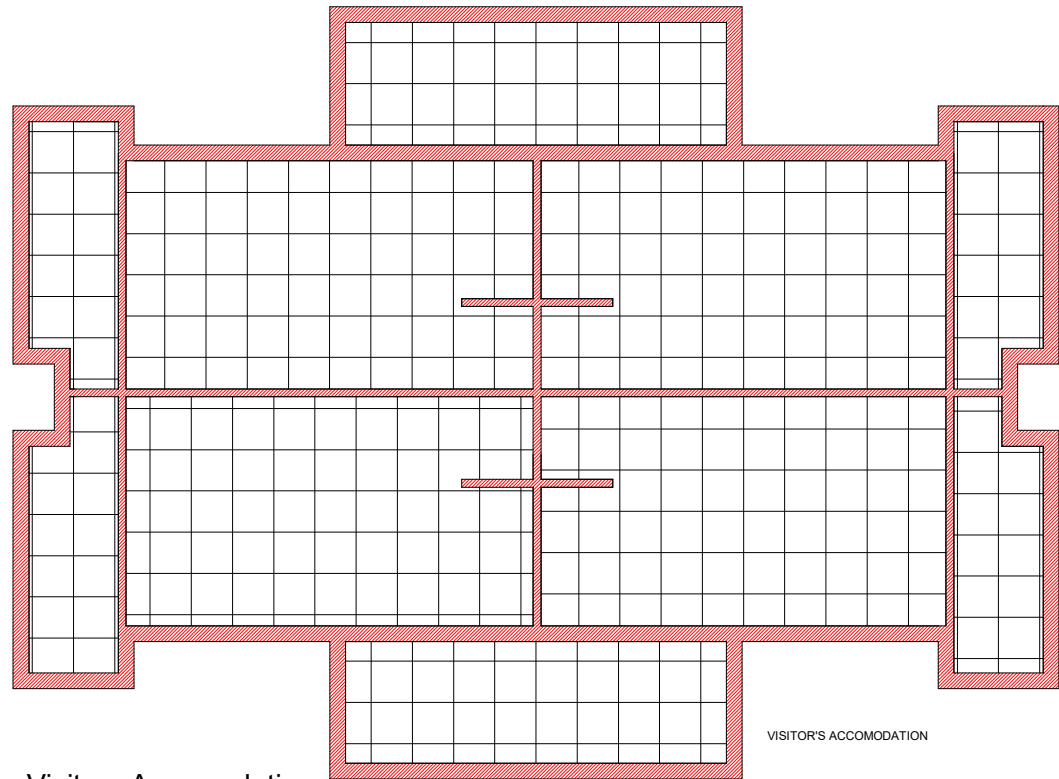
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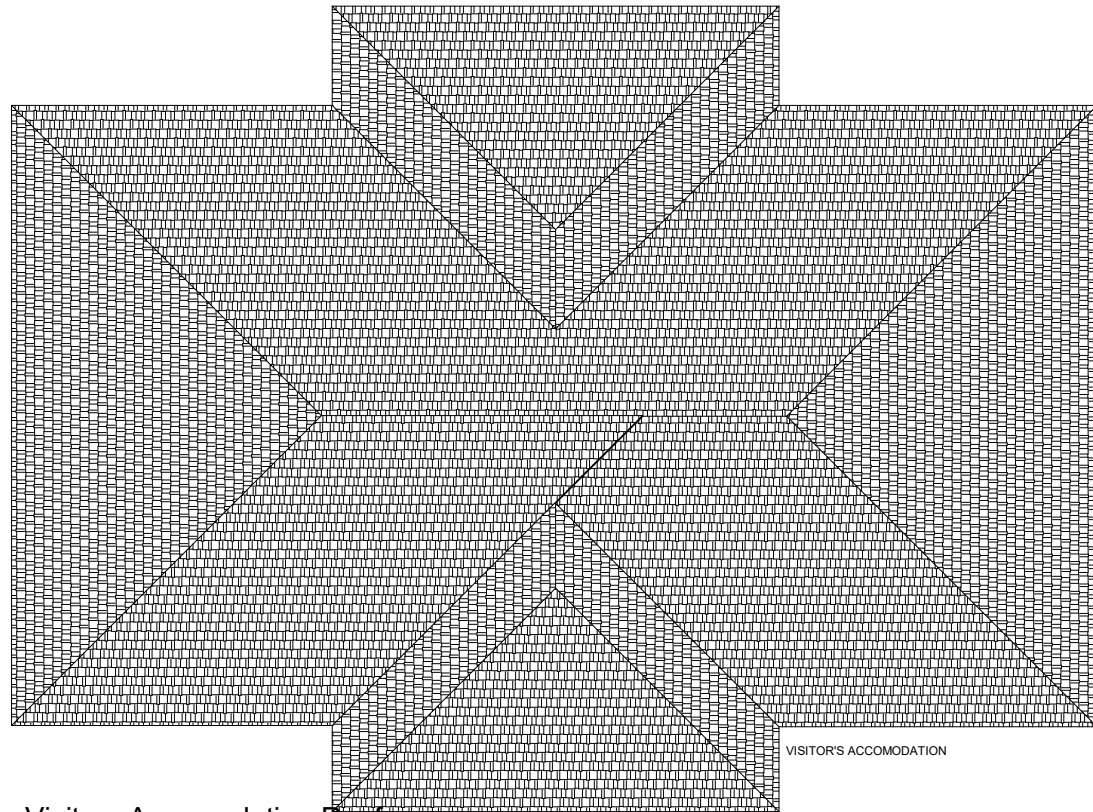
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DATE / DATUM

5/7/2021 5:10:48 PM



1 Visitors Accommodation
Ceiling Layout Plan
1:50



2 Visitors Accommodation Roof
Layout Plan
1:50

LEGEND

A

B

Must Comply With SABS 10400

SUSPENDED CEILING TO BE FORMED OF 13mm VINYL CLAD GYPSUM TILES FINISH IN GENERALLY 600 X 600mm PANEL SUPPORTED ON "DONN" T32 BEARER AT 606mm CENTRES IN ONE DIRECTION "DONN" T32 BEARERS AT 1206 CENTRES IN OTHER DIRECTION. THE BEARERS FINISHED WITH CAPPING OF ALLUMINUM PRE-PAINTED LOW SHEEN SATIN TO MATCH COLOUR OF CEILLING TILES AND SUSPENDED 200mm BELOW STEEL.

FIBER CEMENT CEILING

CEILING PANELS
STANDARD
600 TO 600mm
CUT CEILING

NOTES

1. Fibre Cement Facia
2. Wood Float Plaster And Paint
3. Truss By Specialist

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Email: patsonqs@gmail.com
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Client: _____ Klant: _____
 **environmental affairs**
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam: _____
SWILE MAVOKWENI GAME LODGE

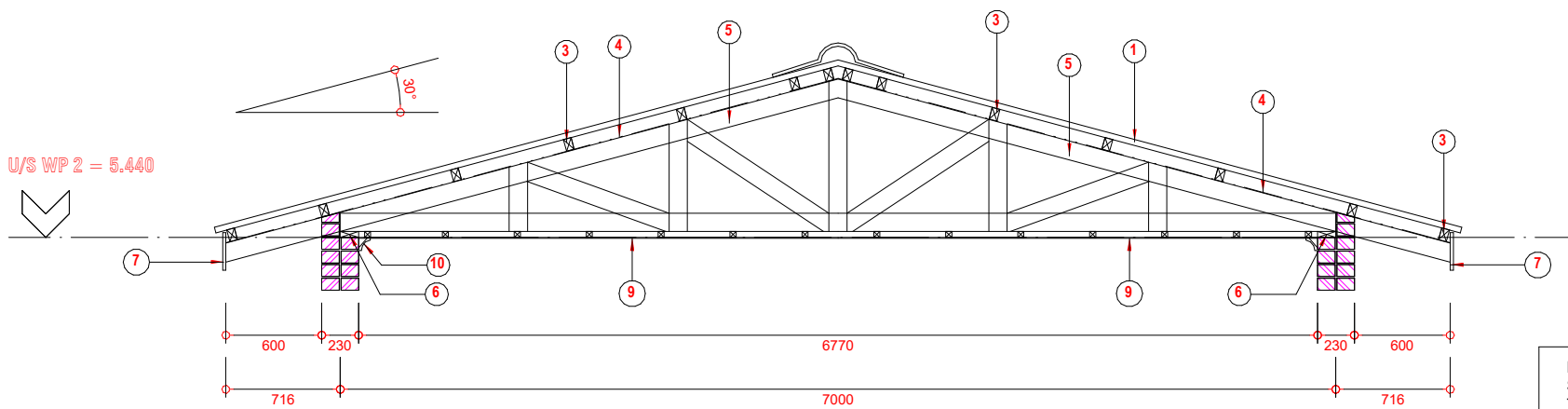
Drawing Name: _____ Tekening Naam: _____
**Ceiling & Roof
Layout Plan**

Drawing No: _____ Tekening Nr.: _____
J050-DEA-300-01

Scale	Designed Ontwerp	Anthony B.U.E.	Issue Date
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5/7/2021 5:10:03 PM



ROOF TRUSS TYPE "C"

SCALE 1 : 20

1 Trus Details
1 : 20

- NOTES:
- Sealant to be non woven polyester G2 or G3 membrane .
Top coat - UV resistant flexible acrylic available in black, charcoal,core or red to employers choice.
1. Profiled roof sheeting on 75x50mm
SA pine purlins on prefabricated roof structure. treat
all exposed timber with approved applicant.
 2. Proved Fibre Cement Barge Board
 3. 75x50mm S.A pine Timber Purlins at 700mm
c/c on timber trusses.
 4. 0.5mm thick SABS Approved water proofing membrane
 5. 114x38mm S.A pine Timber Trusses at
1200mm c/c on wall plate
 6. 114x38mm S.A pine Timber wall plate
 7. 225x15mm Fibre cement fascia board
or other equal approved
 8. 38x38mm S.A pine Timber Brandering at 450mm c/c
minimum
 9. 6mm thick Fibre cement ceiling to finishing schedule
 10. Cornice to finishing schedule
 11. Provide Head and Counter Metal Flashing
 12. 152x89mm Timber Rafters, Roof Truss
Members to Engineer's Details and Spec
 13. Reinforced Concrete Gutter to Engineer's Details and
Spec
 14. 120x55mm Channel fixed to Details
 15. Profiled roof sheeting

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Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name: _____ Projek Naam _____

SWILE MAVOKWENI GAME LODGE

Drawing Name: _____ Tekening Naam _____

Roof Truss Details

Drawing No. _____ Tekening Nr. _____

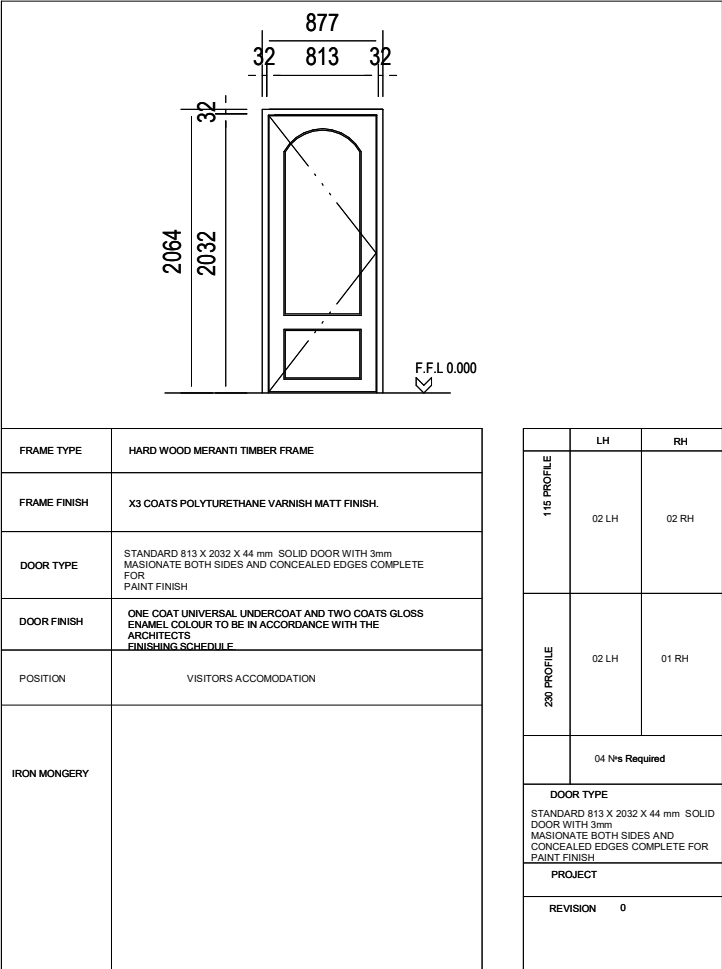
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As indicated	Geteken Drawn	Anthony B.U.E.	Issue Date
	Nagaan Checked	Checker	Issue Date

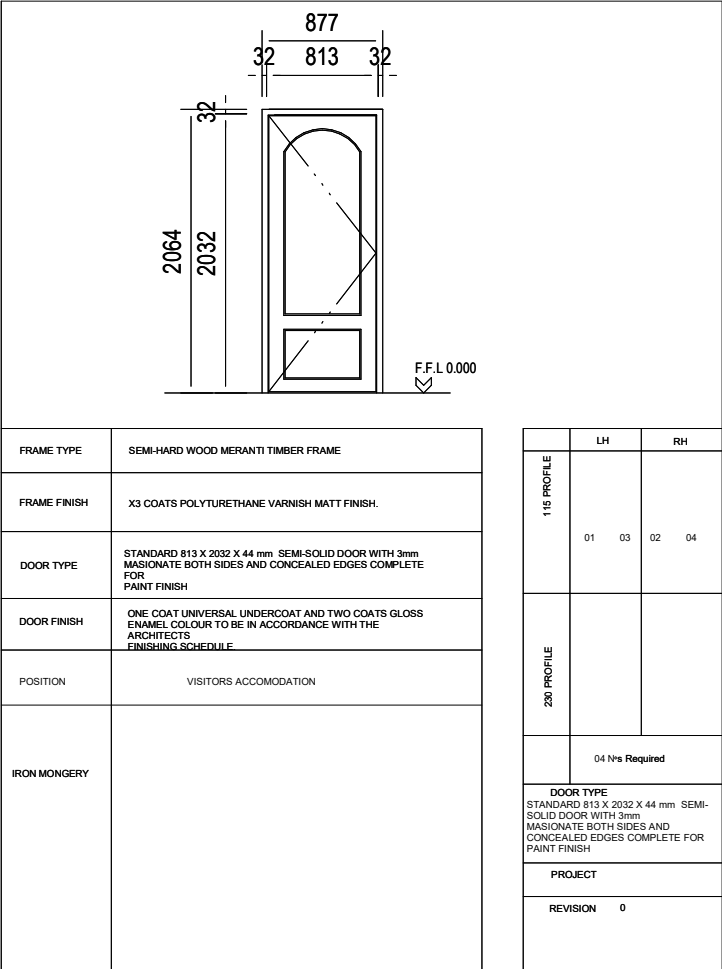
APPROVED / GOEDGEKEUR _____

DATE / DATUM _____

5/7/2021 5:17:15 PM



2 Room Door Schedule
1 : 25



3 Toilet Door Schedule
1 : 25

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QUANTITY SURVEYORS, PROJECT MANAGERS AND DEVELOPMENT CONSULTANTS

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Email: patsonqs@gmail.com

NELSPRUIT

Client

Kliënt



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Project Name:Project Naam

SWILE MAVOKWENI GAME LODGE

Drawing Name:Tekening Naam

Door Schedule

Drawing No.:Tekening Nr.

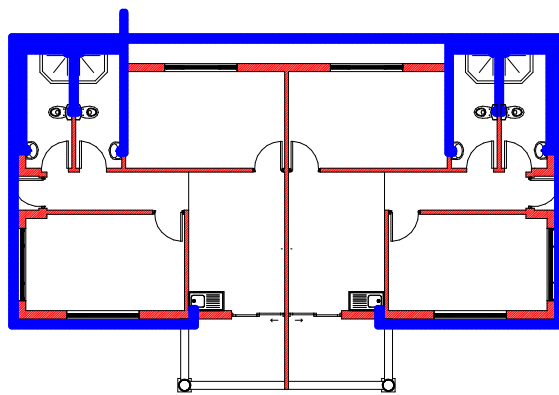
J050-DEA-400-01

Scale 1 : 25	Designed Ontwerp	Anthony B.U.E.	Issue Date
	Geteken Drawn	Anthony B.U.E.	Issue Date
	Naargien Checked	Checker	Issue Date

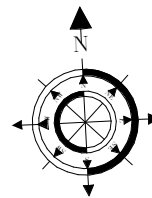
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DATE / DATUM

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Staff Accommodation Cold
Water Layout Plan
1:50



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Revising	Revising/Exception	Date

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NELSPRUIT

Client: Department Of Environmental Affairs

Project Name: SWILE MAVOKWENI GAME FARM

Drawing Name: Cold Water Layout Plan

Drawing No: JO46-DAE-100-03

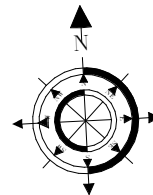
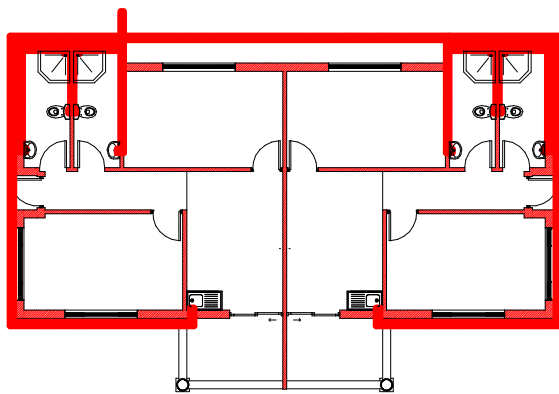
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Checker: [Name]
Date: [Date]

Revised: [Name]
Revised: [Name]
Revised: [Name]

Approved: [Name]
Approved: [Name]
Approved: [Name]

4/2/2007 11:45:54 AM



① Staff Accommodation Hot
Water Layout Plan
1:50

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Email: patsonpg@gmail.com

NELSPRUIT
Nelspruit, 1200
Phone: 033 652 8877
Email: patsonpg@gmail.com

Client: Department Of Environmental
Affairs

Project Name: SWILE MAVOKWENI GAME FARM

Drawing Name: Hot Water Layout
Plan

Drawing No.: JO46-DAE-100-04

Scale: 1 : 50

Author: [Signature]
Checker: [Signature]
Issue Date: [Signature]

Issue Date: [Signature]
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Issue Date: [Signature]

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Email: patoona@gmail.com

NELSPRUIT

Department Of Environmental
Affairs

SWILE MAVOKWENI GAME FARM

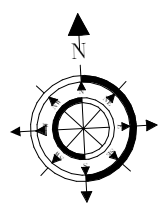
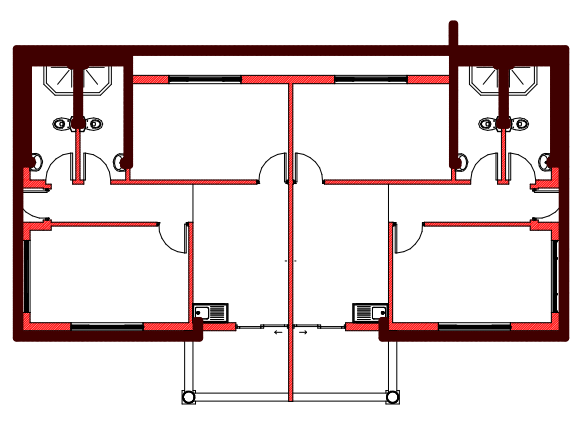
Sewer Layout Plan

JO46-DAE-100-05

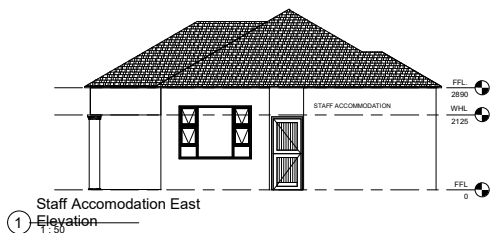
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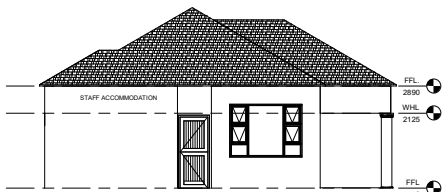
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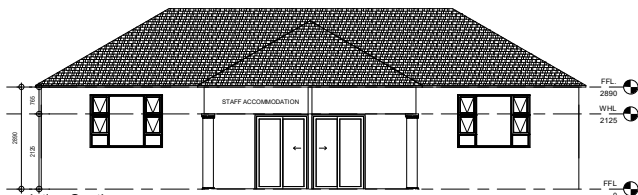
1 Staff Accommodation Sewer
Layout Plan
1:50



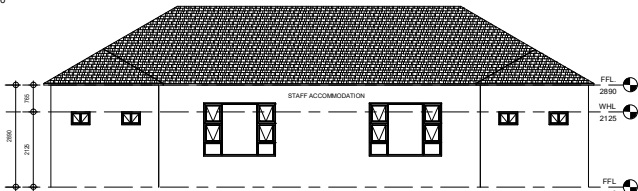
① Staff Accommodation East Elevation
1:50



⑤ Staff Accommodation West Elevation
1:50



③ Staff Accommodation South Elevation
1:50



② Staff Accommodation North Elevation
1:50

NOTES:

Sealant to be non woven polyester G2 or G3 membrane. Top coat - UV resistant flexible acrylic available in black, charcoal, core or red to employers choice.

1. Roof pitch as indicated
2. 0.8mm Profiled Sheetmetal Ridge Capping, Sealed to Manufacture spec(Chromadek)
3. Profiled roof sheeting on purlins.
4. 75x50mm S.A Pine Purlins at 700mm c/c on Timber Truss.
5. Provide S.A.B.S Approved Waterproofing Membrane Above Roof Trusses acc to Manufacture's spec.
6. S.A Pine Roof Trusses at 1000mm c/c on Wall Plate. Treat All Exposed Timber with approved applicant to Manufacture's Spec.
7. 114x38mm S.A Pine Timber Wall Plate.
8. 22x15mm Fibre Cement Fascia Board or Other Equal approved.
9. Ceiling Refer To Finishing Schedules.
10. Approved face brick with 5mm recessed raised joints.
11. Windows Refer to Window Schedules.
12. Door refer to Door schedule
13. Reinforced brickwork lintels reinforced with X2 6.4mm Ø steel bars horizontally with bentwire stirrups bedding in every third vertical joint along the length of the soldier course.
14. Skirting Refer to Finishing schedules.
15. Floor as per schedule on 40mm screed on concrete slab.
16. 85mm thick Concrete slab on S.A.B.S Approved termite poisoning USB Green water proofing Membrane to Engineer's details
17. S.A.B.S approved D.P.C to Manufacture Spec.
18. 75mm thick apron around building with expansion joints every 3m² width fall away from building.
19. Foundation to Engineers details and Approval.
20. Well compacted consolidated laterite hardcore by Engineer
21. Undisturbed Earth.
22. Provide Metal Flashing

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 Fax: 086 662 8877
 Email: patsonpg@gmail.com

Department Of Environmental Affairs

SWILE MAVOKWENI GAME FARM

Elevations

JO46-DAE-200-01

Scale	1:50	Author	Issue	Date

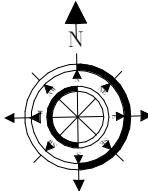
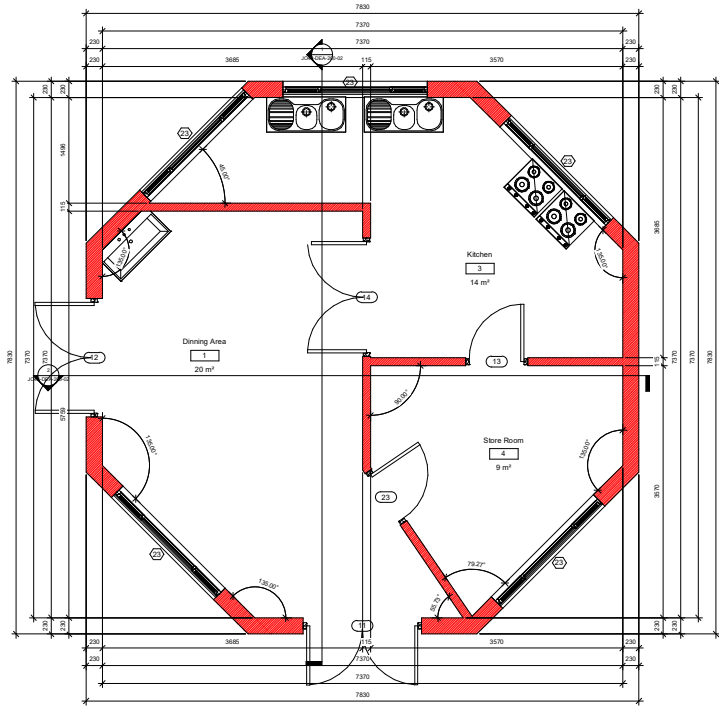
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KITCHEN			
KITCHEN : 51m ²			
BLOCK NAME	AREA m ²	FAR	COVERAGE
KITCHEN	51 m ²		
Dining Area	20 m ²		
Store Room	9 m ²		
Cooking Area	14 m ²		

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1 Kitchen Floor Layout Plan
1 : 25

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DRAWING NAME / DRAWING NUMBER	No./Rev.

REVISIONS/REVISIONS	
Project Manager	Author/Designer
Scale	Date

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PATSON & PARTNERS
PG ARCHITECTS PROJECT MANAGERS AND DEVELOPMENT CONSULTANTS
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Department Of Environmental
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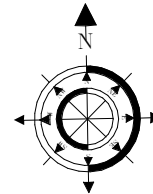
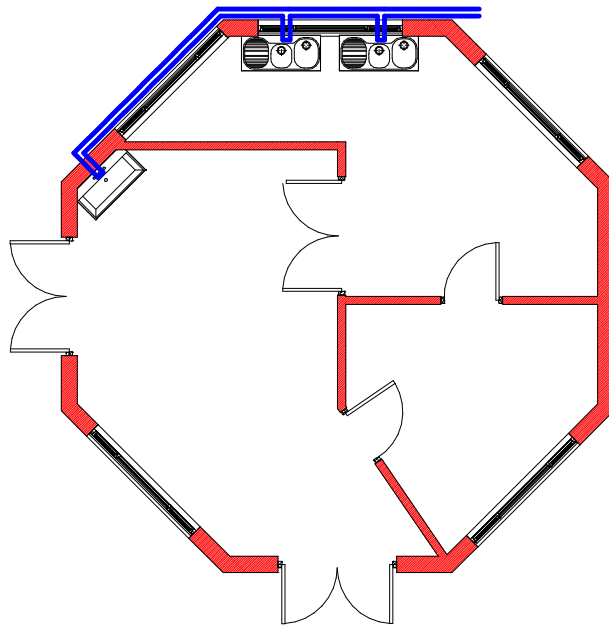
SWILE MAVOKWENI GAME FARM

Floor Layout Plan

JO48-DEA-100-02

Scale	Project	Author	Issue	Date
As indicated	Client	Author	Issue	Date
	Checker	Checker	Issue	Date

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1 Kitchen Cold Water Layout
Plan
1:25

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NO.	DESCRIPTION

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NO.	DESCRIPTION	DATE

Prepared By: _____ Checked By: _____ Date: _____

Project Name: _____

Client: _____

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Phone: 053 999 0223
Fax: 053 999 0223
Email: patscorp@gmail.com

Project Name: _____

Client: _____

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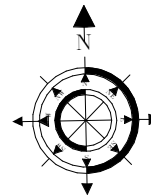
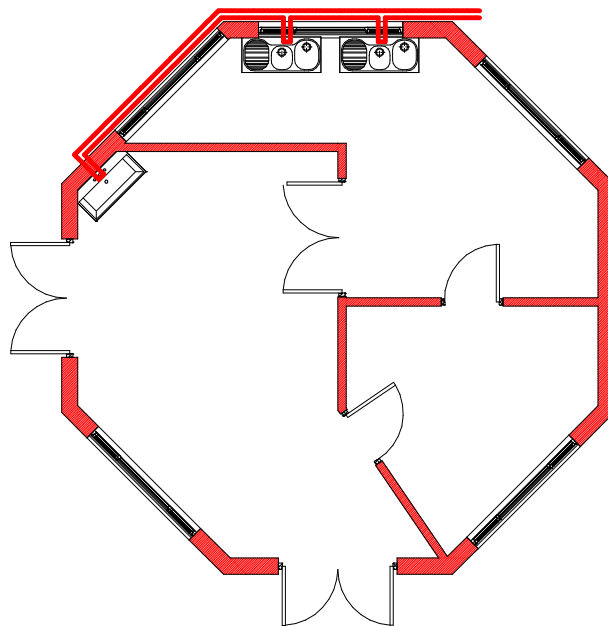
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Project Name: _____

Client: _____

Project Name: _____

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1 Kitchen Hot Water Layout Plan
1:25

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NO.	DESCRIPTION	DATE

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ARCHITECTS, PROJECT MANAGERS AND DEVELOPMENT CONSULTANTS

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Email: patsonpa@gmail.com

NELSPRUIT

Client: Department Of Environmental Affairs

Project Name: SWILE MAVOKWENI GAME FARM

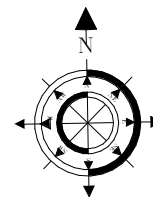
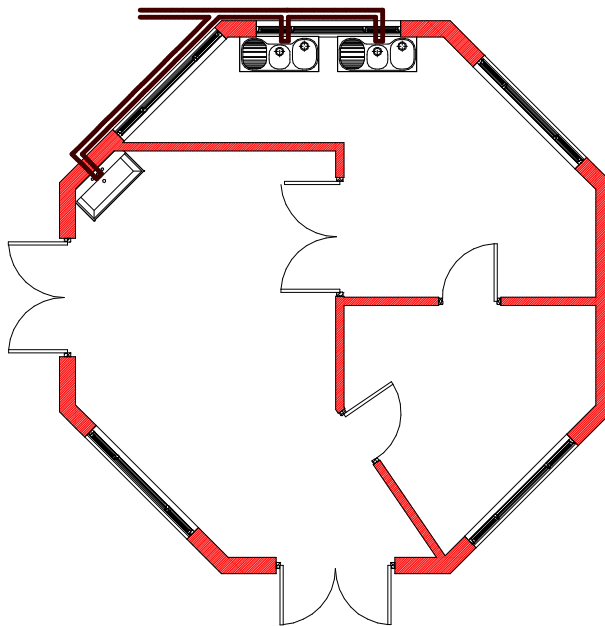
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Drawing No: JO48-DEA-100-04

Scale:	As indicated
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Author	Checker	Issue Date

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REVISIONS/ISSUES

Project Name	Revised/Exception	Date

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 PROJECT SUPERVISORS, PROJECT MANAGERS AND DEVELOPMENT CONSULTANTS
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 Nelspruit, 1200
 Phone: 0339902023
 Fax: 033 662 8877
 Email: patsonpa@gmail.com

NELSPRUIT
 B.
 J.

Client: Department Of Environmental Affairs

Project Name: SWILE MAVOKWENI GAME FARM

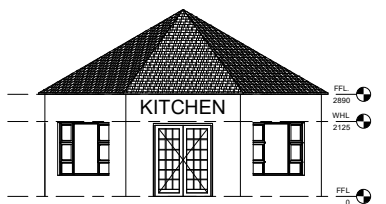
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Drawing No: JO48-DEA-100-05

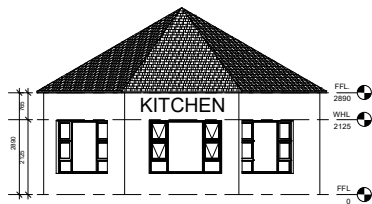
Scale: As indicated

Project Manager	Author	Issue Date
Designer	Author	Issue Date
Checker	Checker	Issue Date

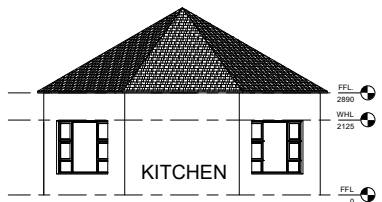
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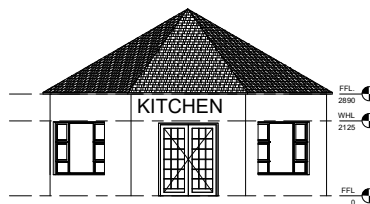
① Kitchen South Elevation
1 : 50



② Kitchen North Elevation
1 : 50



③ Kitchen East Elevation
1 : 50



④ Kitchen West Elevation
1 : 50

NOTES:

Sealant to be non woven polyester G2 or G3 membrane - Top coat - UV resistant flexible acrylic available in black, charcoal, core or red to employers choice.

1. Roof pitch as indicated
2. 0.8mm Profiled Sheetmetal Ridge Capping, Sealed to Manufacture spec (Chromadek)
3. Profiled roof sheathing on purlins.
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12. Door refer to Door schedule
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17. S.A.B.S approved D.P.C to Manufacture Spec.
18. 75mm thick apron around building with expansion joints every 3m² width fall away from building.
19. Foundation to Engineers details and Approval.
20. Well compacted consolidated laterite hardcore by Engineer
21. Undisturbed Earth.
22. Provide Metal Flashing

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Ref	Description	Date

REVISIONS/REVISIONS

Rev	Description	Date

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Fax: 095 662 8877
Email: patsonpg@gmail.com

NELSPRUIT

Department Of Environmental
Affairs

SWILE MAVOKWENI GAME FARM

Elevation

JO48-DEA-200-01

Scale: 1 : 50

Author: [Signature] Date: [Date]

Checker: [Signature] Date: [Date]

Issue: [Signature] Date: [Date]

Issue: [Signature] Date: [Date]

Issue: [Signature] Date: [Date]

Issue: [Signature] Date: [Date]

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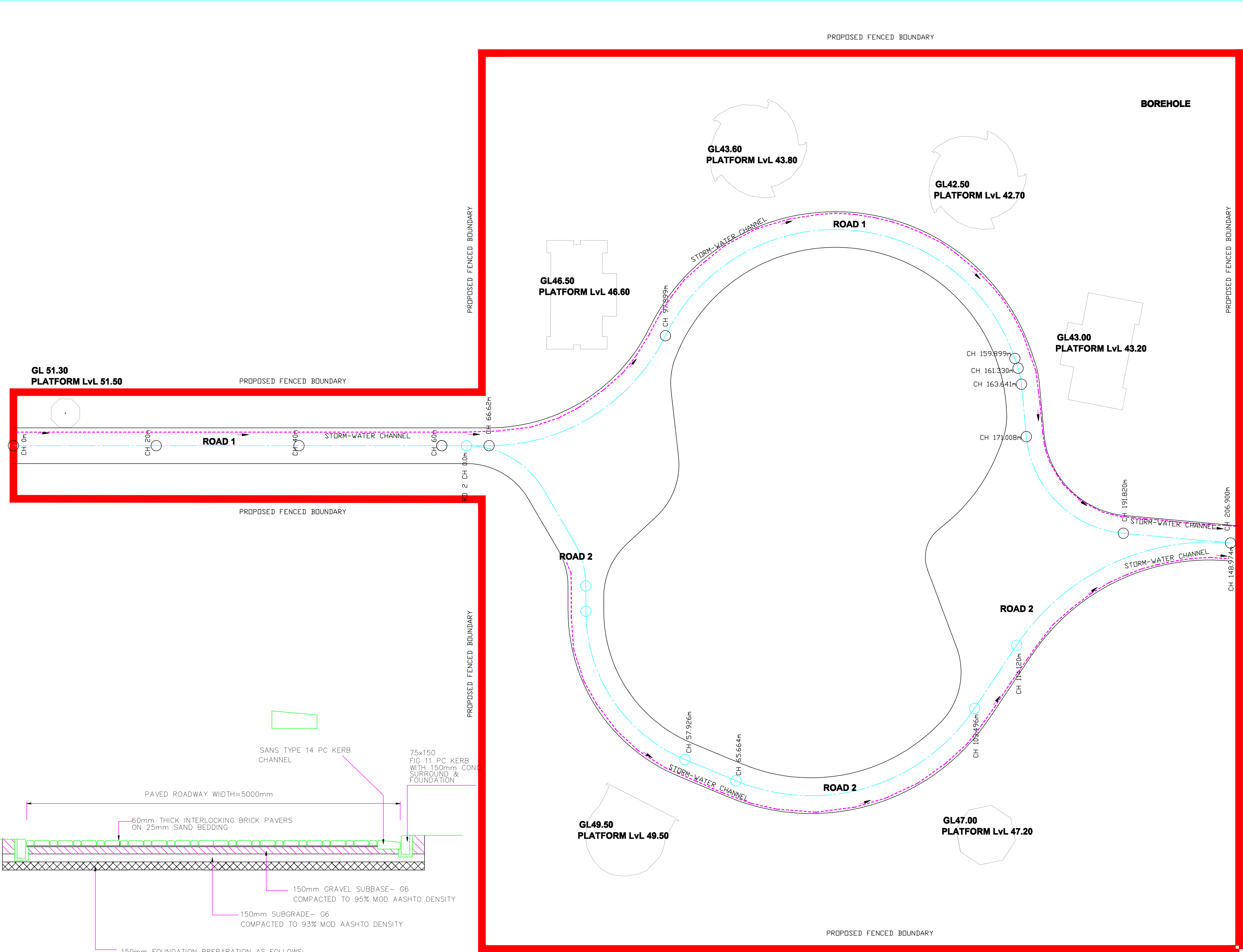
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REV NO	DATE	REVISED BY & DETAILS

NOTES
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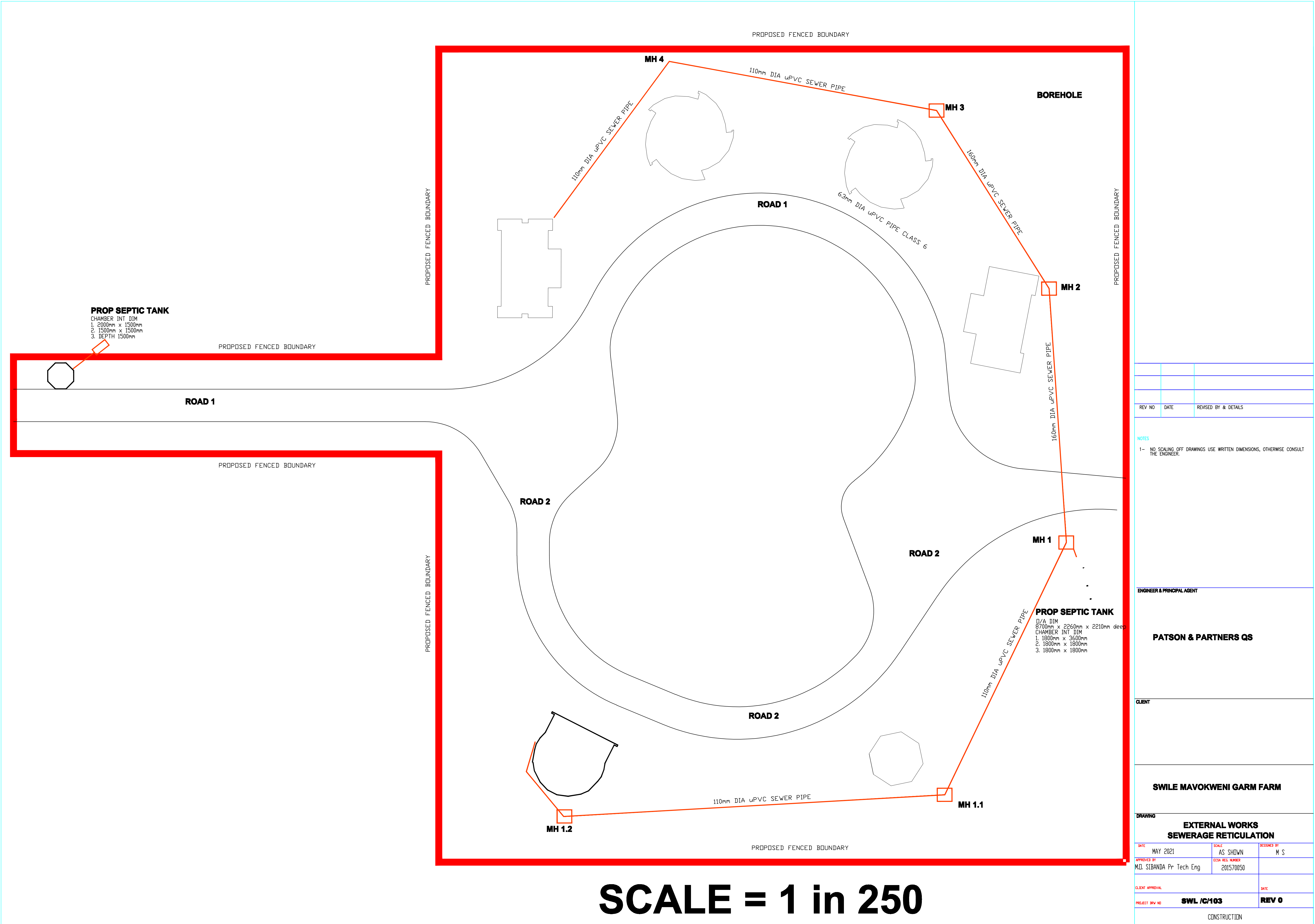
ENGINEER & PRINCIPAL AGENT

PATSON & PARTNERS QS

CLIENT

SWILE MAVOKWENI GARM FARM

DRAWING		
EXTERNAL WORKS ROADWORKS & BUILDING PLATFORMS		
DATE MAY 2021	SCALE AS SHOWN	DESIGNED BY M S
APPROVED BY M.D. SIBANDA Pr Tech Eng	CSA REG. NUMBER 201570050	
CLIENT APPROVAL		DATE
PROJECT ID NO SWL /C/101		REV 0
CONSTRUCTION		



REV NO	DATE	REVISED BY & DETAILS

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ENGINEER & PRINCIPAL AGENT

PATSON & PARTNERS QS

CLIENT

SWILE MAVOKWENI GARM FARM

DRAWING
EXTERNAL WORKS
SEWERAGE RETICULATION

DATE MAY 2021	SCALE AS SHOWN	DESIGNED BY M S
APPROVED BY M.D. SIBANDA Pr Tech Eng	CSA REG. NUMBER 201570050	
CLIENT APPROVAL		DATE
PROJECT DRW NO SWL /C/103		REV 0

CONSTRUCTION

STAFF ACCOMMODATION

STAFF ACCOMMODATION : 124m²

BLOCK NAME	AREA m ²	FAR	COVERAGE
STAFF ACCOMMODATION	124 m ²		
Bedroom 1	12 m ²		
Bedroom 2	12 m ²		
Bedroom 3	12 m ²		
Bedroom 4	12 m ²		
Toilet 1	4 m ²		
Toilet 2	4 m ²		
Toilet 3	4 m ²		
Toilet 4	4 m ²		
Patio 1	5 m ²		
Patio 2	5 m ²		
Kitchen/Living Room Area 1	11 m ²		
Kitchen/Living Room Area 2	11 m ²		
Passage 1	4 m ²		
Passage 2	4 m ²		

ALL DIMENSIONS ARE INDICATED IN MILLIMETRES AND MUST BE CONTROLLED
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NO.	REVISION	DATE

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PETERSON & PARTNERS
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25 Rood Street
Nelspruit, 1200
Phone: 033 999 0223
Fax: 033 999 0223
Email: petersonpg@gmail.com

NELSPRUIT
B.
J.
J.

Department Of Environmental
Affairs

SWILILE MAVOKWENI GAME FARM

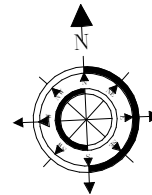
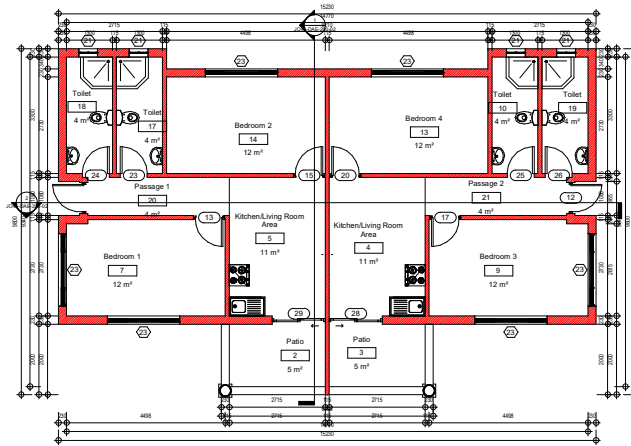
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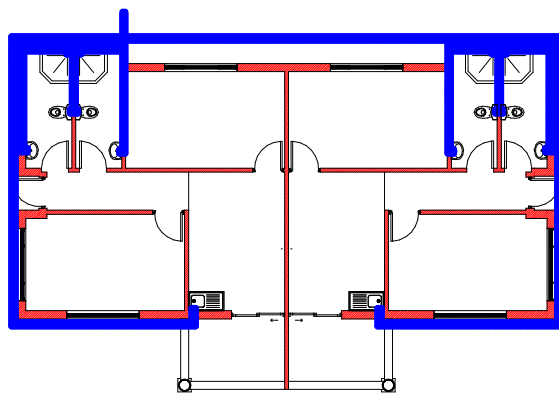
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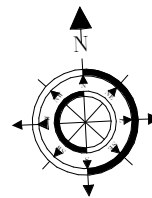
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1 Staff Accommodation Floor
Layout Plan
1:50



Staff Accomodation Cold
 ① Water Layout Plan
 1:50



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Revising	Revising/Exception	Date

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 25 Rood Street
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 Phone: 033990223
 Fax: 033 652 8877
 Email: patsompe@gmail.com

NELSPRUIT

Department Of Environmental
 Affairs

SWILE MAVOKWENI GAME FARM

Cold Water Layout
 Plan

JO46-DAE-100-03

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 Checker: [Signature]
 Date: [Signature]

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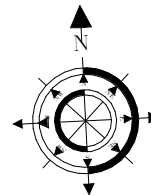
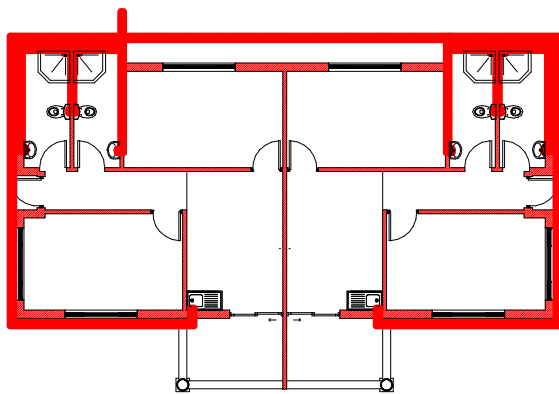
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① Staff Accommodation Hot
Water Layout Plan
1:50

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Rev.	Description	Date

PG ARCHITECTS
PATSON & PARTNERS
PG ARCHITECTS SURVEYORS PROJECT MANAGERS AND DEVELOPMENT CONSULTANTS

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Fax: 033 652 8877
Email: patsonpg@gmail.com

NELSPRUIT
B. J.
J.

Client: Department Of Environmental
Affairs

Project Name: SWILE MAVOKWENI GAME FARM

Drawing Name: Hot Water Layout
Plan

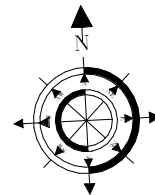
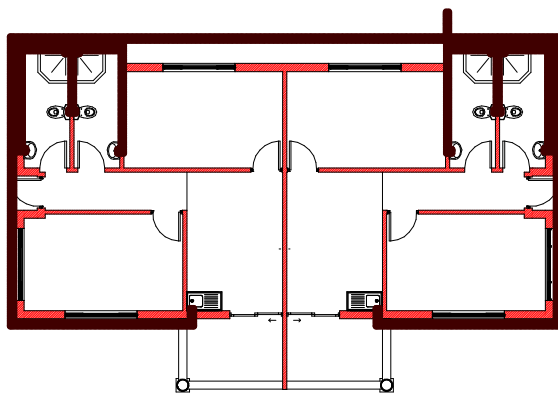
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Drawn	Checked	Issue Date

Drawn	Checked	Issue Date

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① Staff Accommodation Sewer
Layout Plan
1:50

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Revising	Revising/Exception	Date

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PATSON & PARTNERS
PG ARCHITECTS SURVEILLANCE PROJECT MANAGERS AND DEVELOPMENT CONSULTANTS

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Email: patsonpg@gmail.com

NELSPRUIT
Nelspruit, 1200
Phone: 033 662 8877
Email: patsonpg@gmail.com

Client: Department Of Environmental Affairs

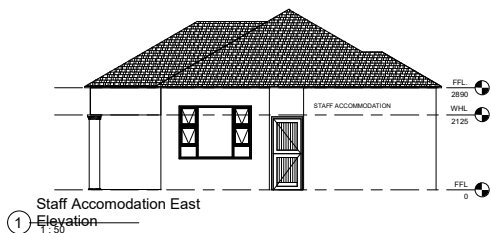
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Drawing Title: Sewer Layout Plan

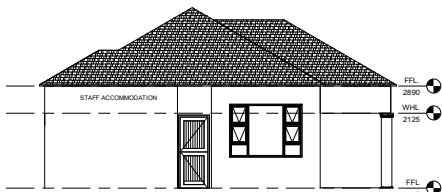
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Checker	Issue Date	

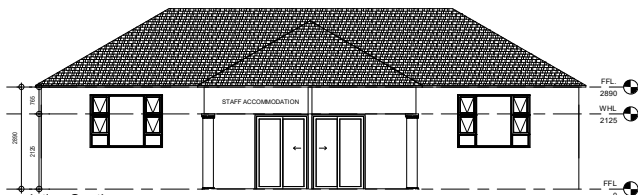
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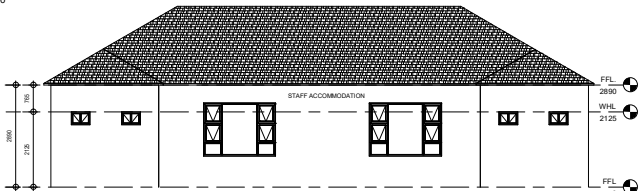
① Staff Accommodation East Elevation
1:50



⑤ Staff Accommodation West Elevation
1:50



③ Staff Accommodation South Elevation
1:50



② Staff Accommodation North Elevation
1:50

NOTES:

Sealant to be non woven polyester G2 or G3 membrane. Top coat - UV resistant flexible acrylic available in black, charcoal, core or red to employers choice.

1. Roof pitch as indicated
2. 0.8mm Profiled Sheetmetal Ridge Capping, Sealed to Manufacture spec(Chromadek)
3. Profiled roof sheeting on purlins.
4. 75x50mm S.A Pine Purlins at 700mm c/c on Timber Truss.
5. Provide S.A.B.S Approved Waterproofing Membrane Above Roof Trusses acc to Manufacture's spec.
6. S.A Pine Roof Trusses at 1000mm c/c on Wall Plate. Treat All Exposed Timber with approved applicant to Manufacture's Spec.
7. 114x38mm S.A Pine Timber Wall Plate.
8. 22x15mm Fibre Cement Fascia Board or Other Equal approved.
9. Ceiling Refer To Finishing Schedules.
10. Approved face brick with 5mm recessed raised joints.
11. Windows Refer to Window Schedules.
12. Door refer to Door schedule
13. Reinforced brickwork lintels reinforced with X2 6.4mm Ø steel bars horizontally with bentwire stirrups bedding in every third vertical joint along the length of the soldier course.
14. Skirting Refer to Finishing schedules.
15. Floor as per schedule on 40mm screed on concrete slab.
16. 85mm thick Concrete slab on S.A.B.S Approved termite poisoning USB Green water proofing Membrane to Engineer's details
17. S.A.B.S approved D.P.C to Manufacture Spec.
18. 75mm thick apron around building with expansion joints every 3m² width fall away from building.
19. Foundation to Engineers details and Approval.
20. Well compacted consolidated laterite hardcore by Engineer
21. Undisturbed Earth.
22. Provide Metal Flashing

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 25 Rood Street
 Nelsonspruit, 1200
 Phone: 0839902223
 Fax: 086 662 8877
 Email: patsonpg@gmail.com

Department Of Environmental Affairs

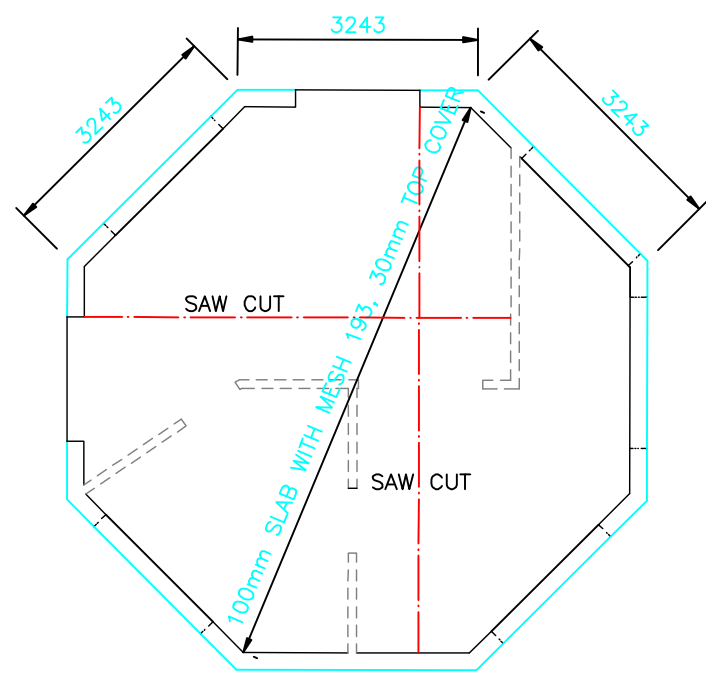
SWILE MAVOKWENI GAME FARM

Elevations

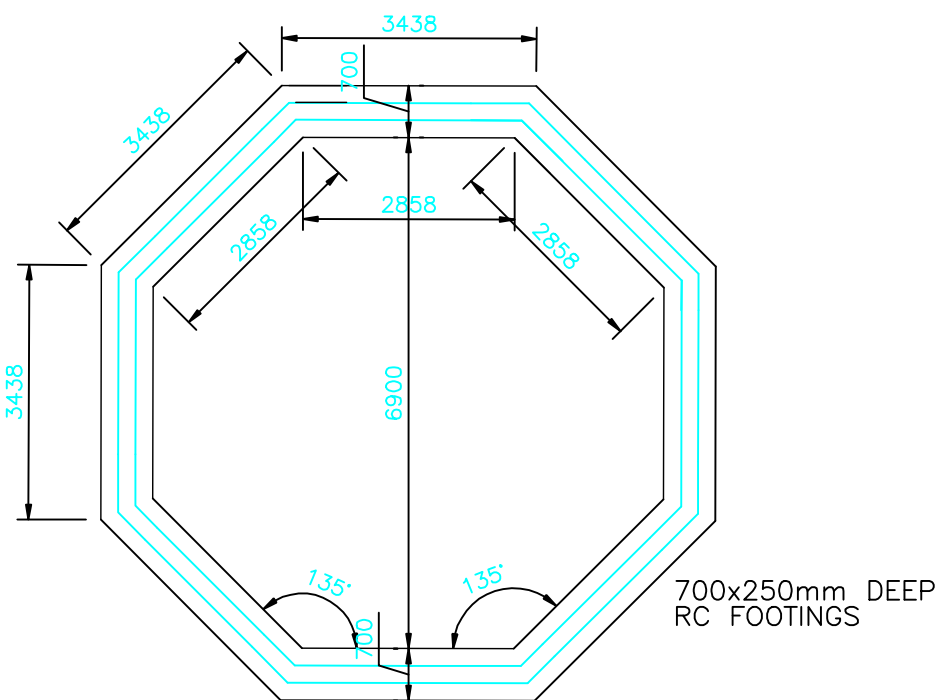
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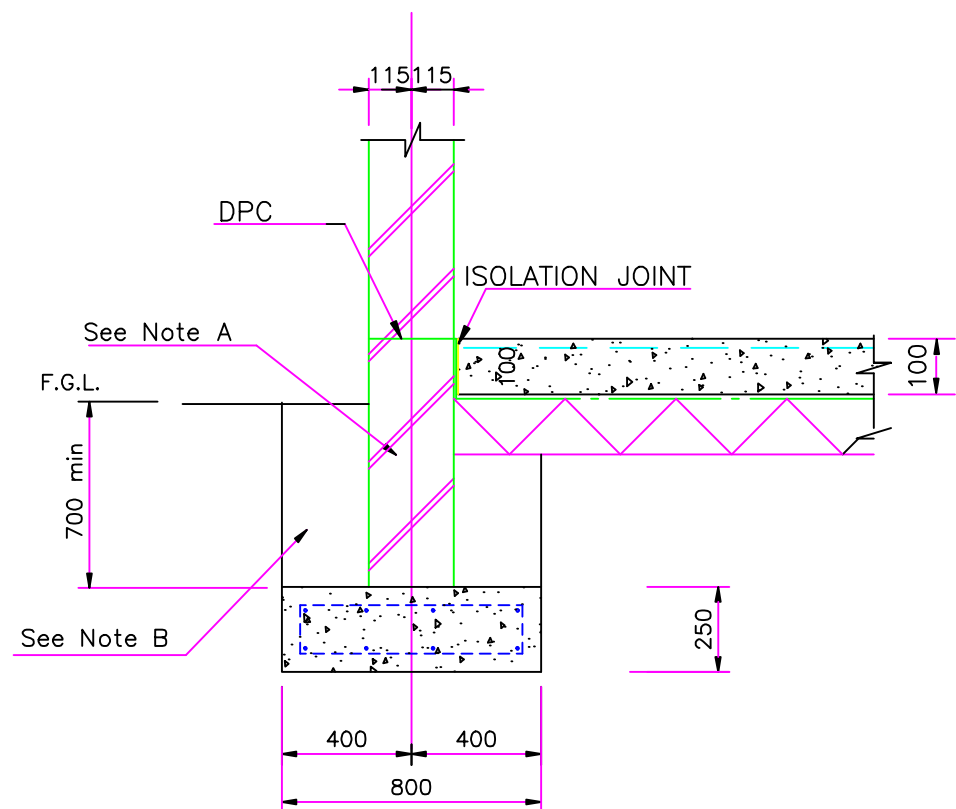
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SCALE 1:100

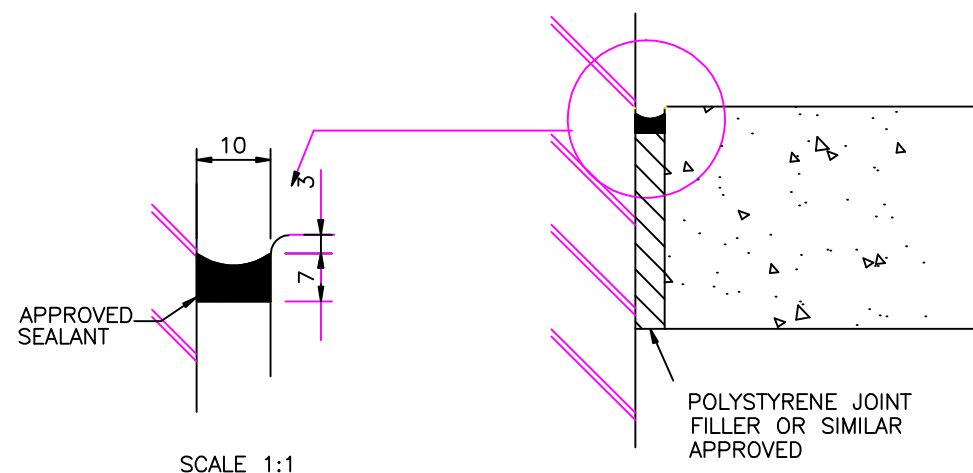


FOUNDATION LAYOUT
SCALE 1:100

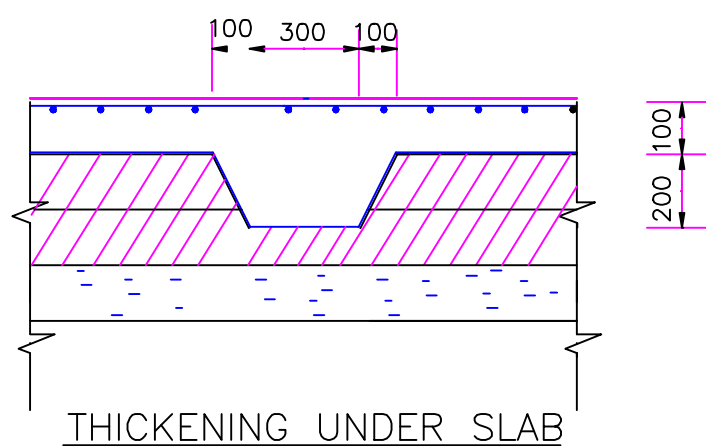
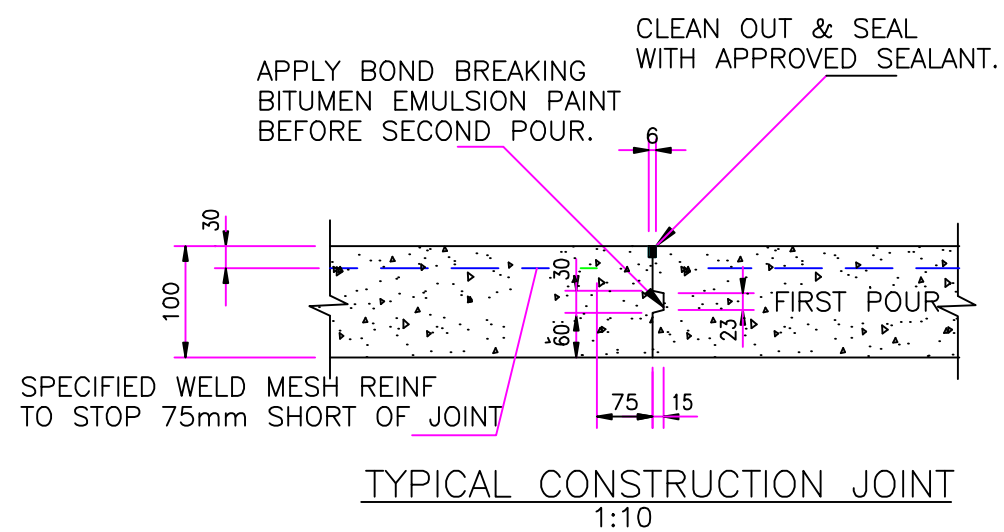
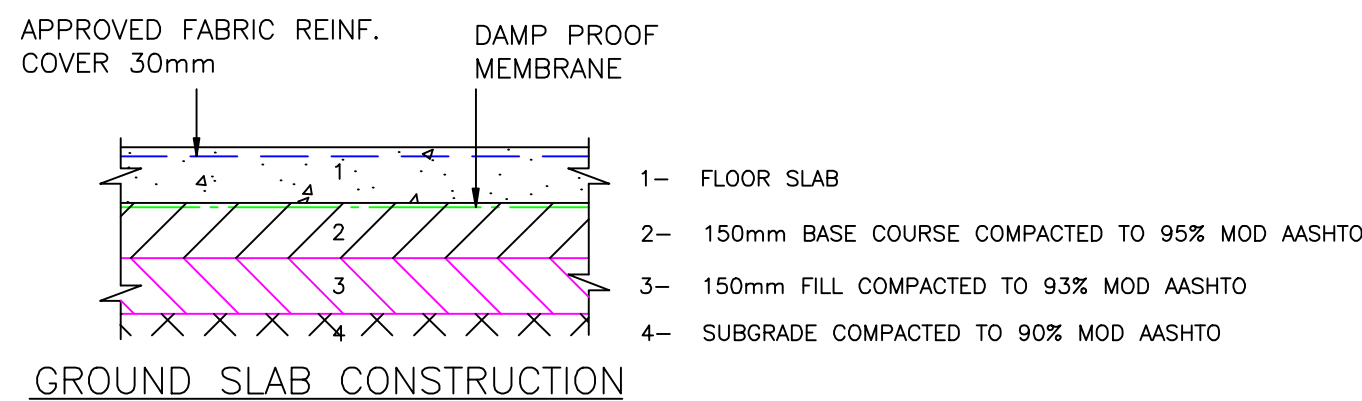
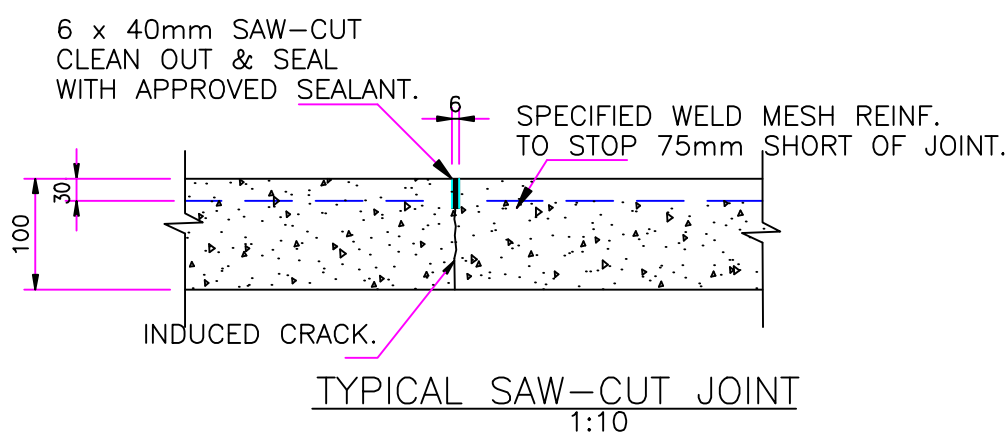


TYPICAL SECTION THROUGH 230 WALLS
SCALE 1:20

- NOTES**
- A 14MPa FOUNDATION BRICKWORK WITH BRICKFORCE IN EACH COURSE UP TO DPC LEVEL
 - B EXCAVATED MATERIAL RETURNED AND COMPACTED IN 150mm LAYERS TO 95% Mod AASHTO DENSITY



ISOLATION JOINT DETAIL



THICKENING UNDER SLAB

REV NO	DATE	REVISED BY & DETAILS

NOTES

- 1- NO SCALING OFF DRAWINGS USE WRITTEN DIMENSIONS, OTHERWISE CONSULT THE ENGINEER.
- 2- CONCRETE GRADE
 - FOOTINGS 25 MPa
 - STRUCTURAL WALLS 30 MPa
 - FIRST FLOORS 30 MPa
 - BLINDING 15 MPa
- 3- ALL EXPOSED CONCRETE SURFACES TO BE SMOOTH OFF-SHUTTER.
- 4- ALL EXPOSED CONCRETE EDGES TO HAVE 20 x 20 CORNER CHAMFERS.
- 5- CHARACTERISTIC STRENGTH OF REINFORCEMENT:
 - HIGH TENSILE 460 MPa
 - MILD TENSILE 250 MPa
 - WELD MESH 460 MPa
- 6- COVER TO REINFORCEMENT TO BE:
 - FLOORS 50mm
 - BEAMS/COLUMNS 30mm
 - BASES 50mm
- 7- ALL REINFORCEMENT TO BE APPROVED BY THE ENGINEER BEFORE CONCRETING.
- 8- THE ALLOWABLE BEARING CAPACITY UNDER FOUNDATIONS IS 150 KPa .THE CONTRACTOR IS TO ALLOW FOR TESTING IF REQUIRED & ALL EXCAVATIONS TO BE APPROVED BY THE ENGINEER BEFORE CONCRETING.
- 9- SUPPORT OF REINFORCEMENT WITH STOOLS TO BE USED BY THE CONTRACTOR EVEN WHERE DETAILS ARE SHOWN.

ENGINEER & PRINCIPAL AGENT

PATSON & PARTNERS QS

CLIENT

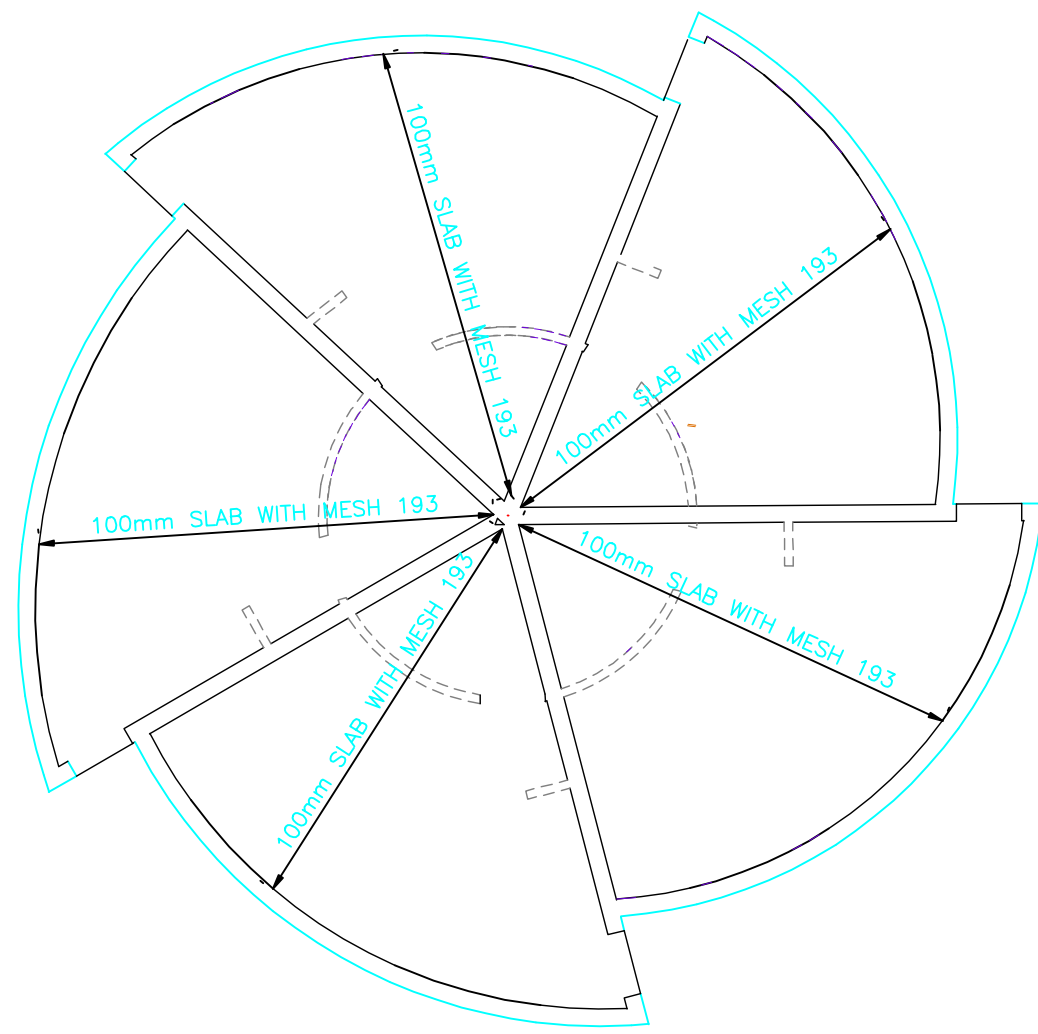
SWILE MAVOKWENI GARM FARM

DRAWING

KITCHEN
FOUNDATION & SLAB DETAILS

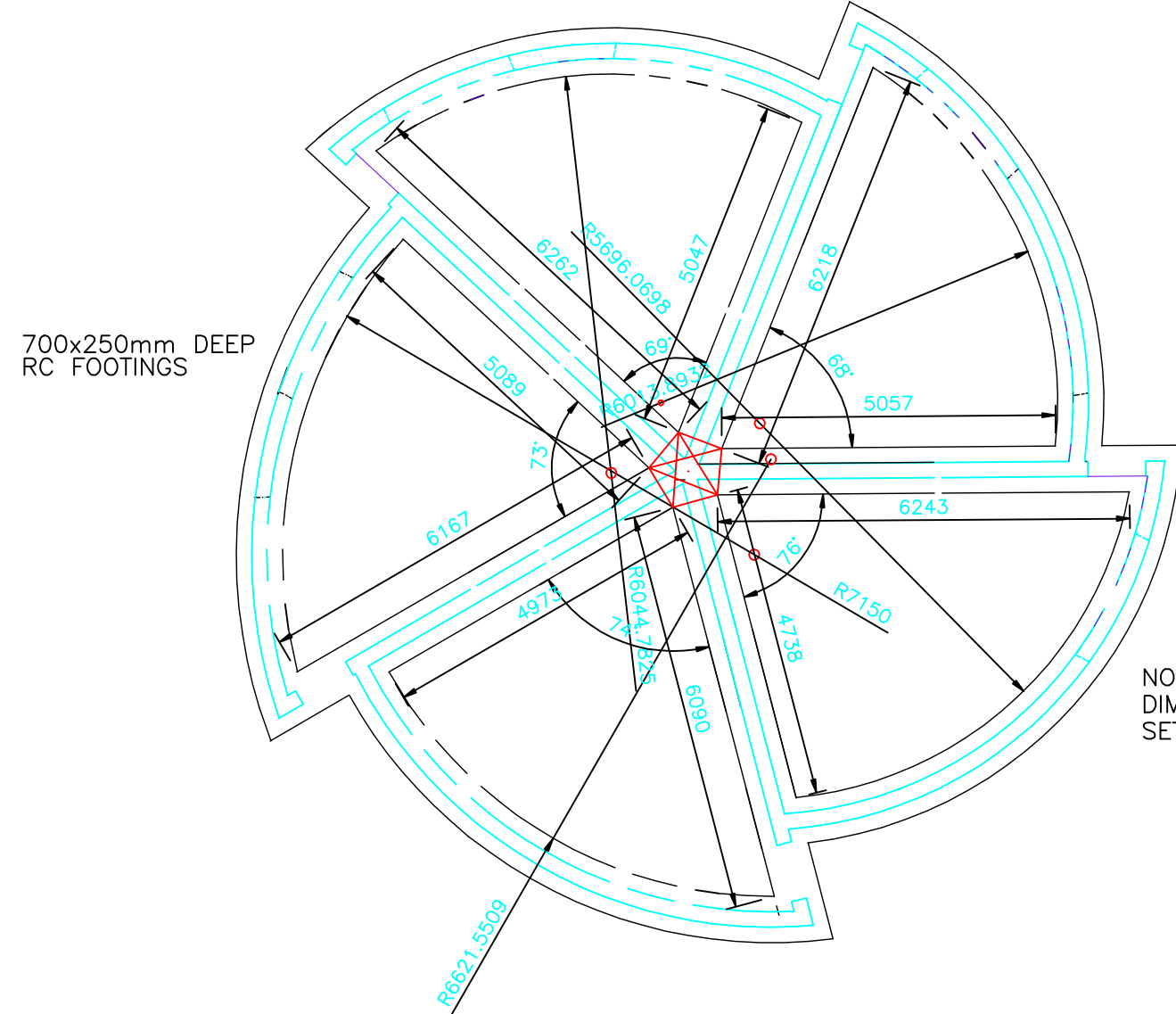
DATE	MAY 2021	SCALE	AS SHOWN	DESIGNED BY	M S
APPROVED BY	M.D. SIBANDA Pr Tech Eng	CSA REG. NUMBER	201570050		
CLIENT APPROVAL				DATE	
PROJECT ID	SWL 101			REV	0

CONSTRUCTION



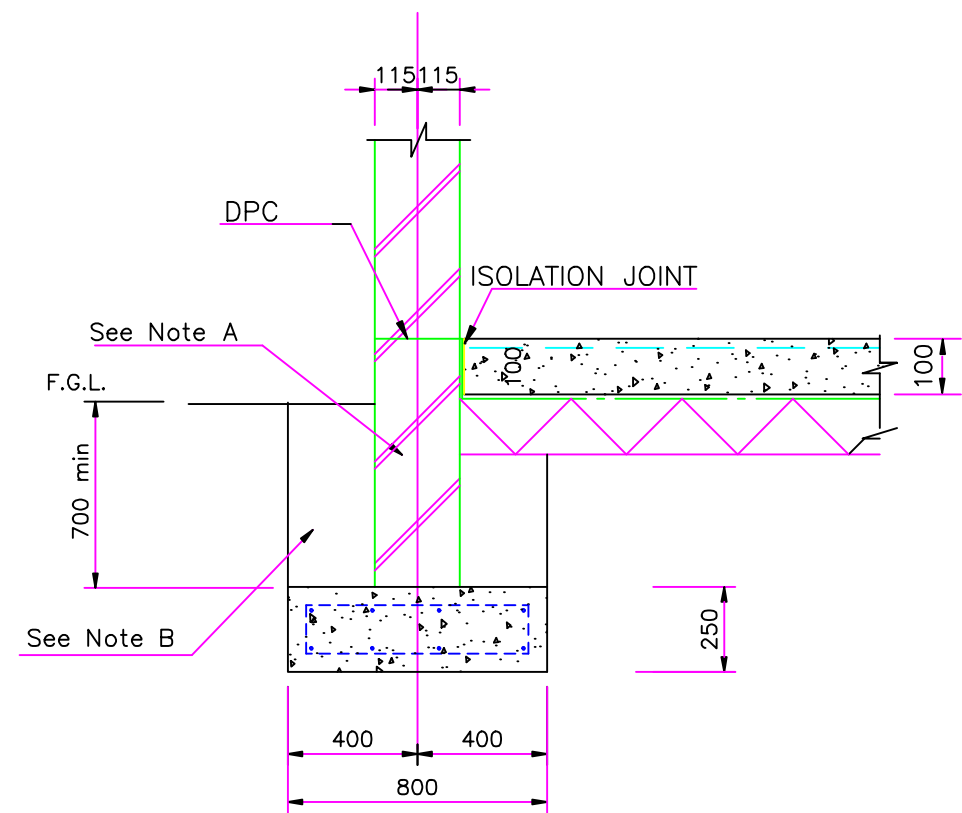
SLAB LAYOUT
SCALE 1:100

NOTE:
DIMENSIONS TO BE AS PER ARCHITECT LAYOUT



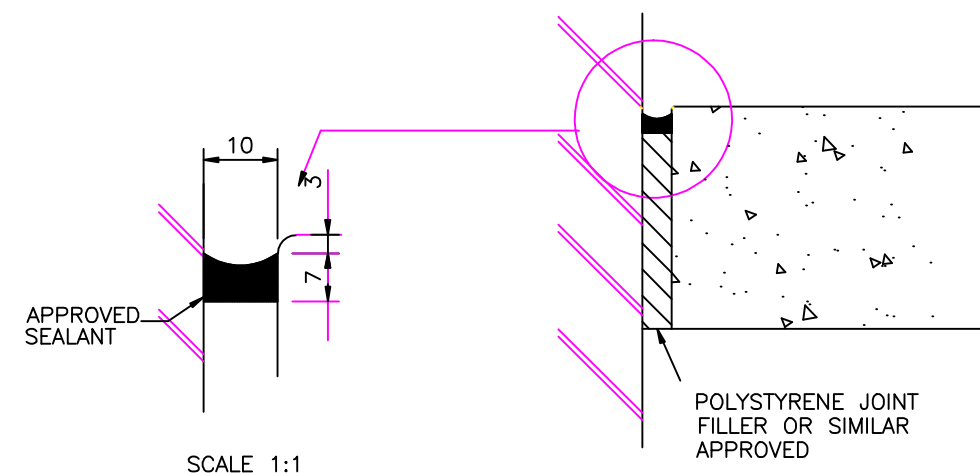
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SCALE 1:100

NOTE:
DIMENSIONS GIVEN ARE NOT FOR SETTING OUT
SET OUT WITH COORDINATES SUPPLIED BY ENGINEER

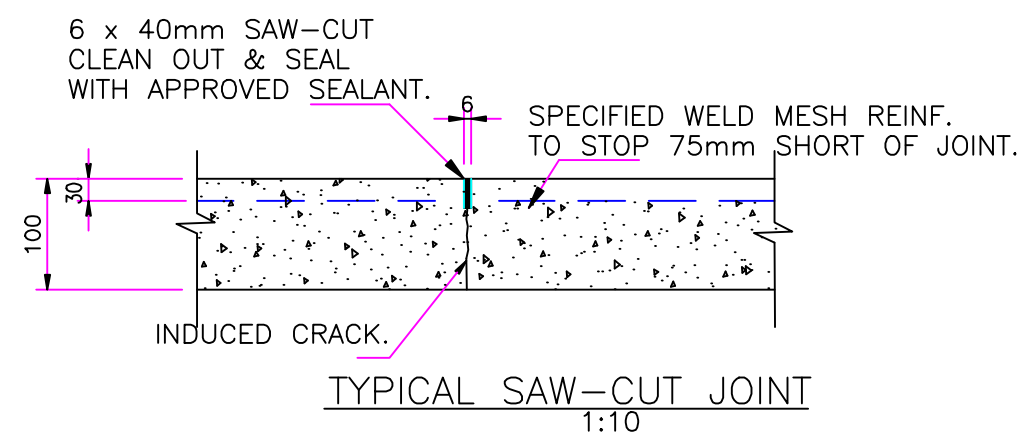


TYPICAL SECTION THROUGH 230 WALLS
SCALE 1:20

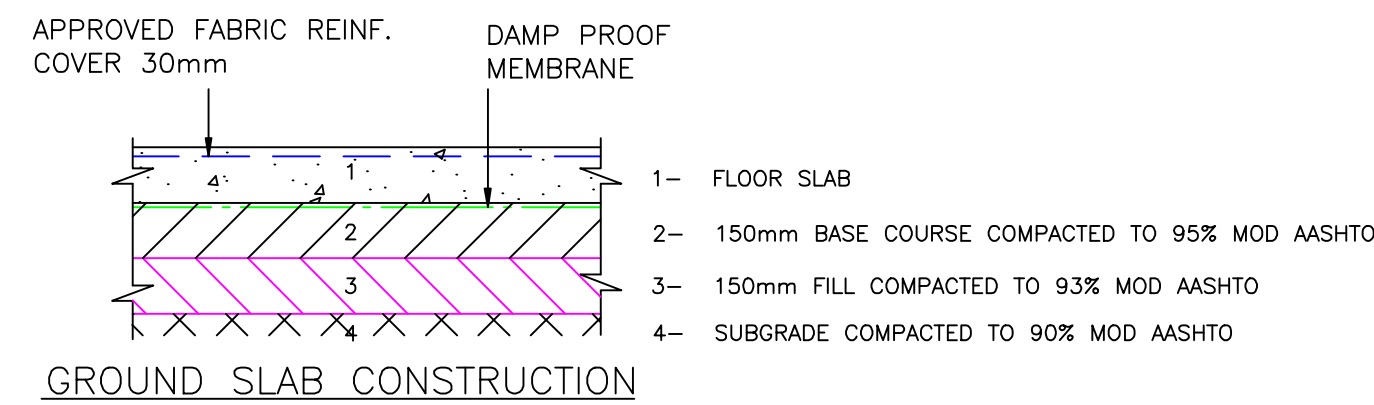
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- B EXCAVATED MATERIAL RETURNED AND COMPACTED IN 150mm LAYERS TO 95% Mod AASHTO DENSITY



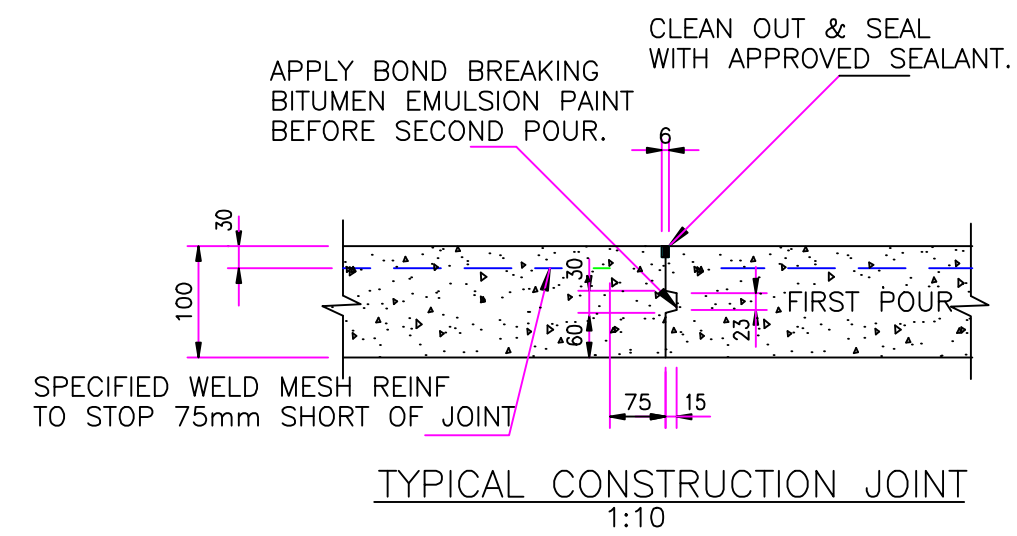
ISOLATION JOINT DETAIL



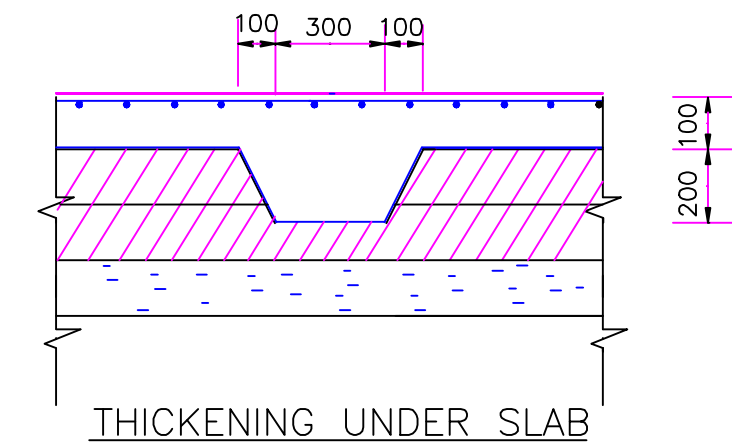
TYPICAL SAW-CUT JOINT
1:10



GROUND SLAB CONSTRUCTION



TYPICAL CONSTRUCTION JOINT
1:10



THICKENING UNDER SLAB

REV NO	DATE	REVISED BY & DETAILS

- NOTES
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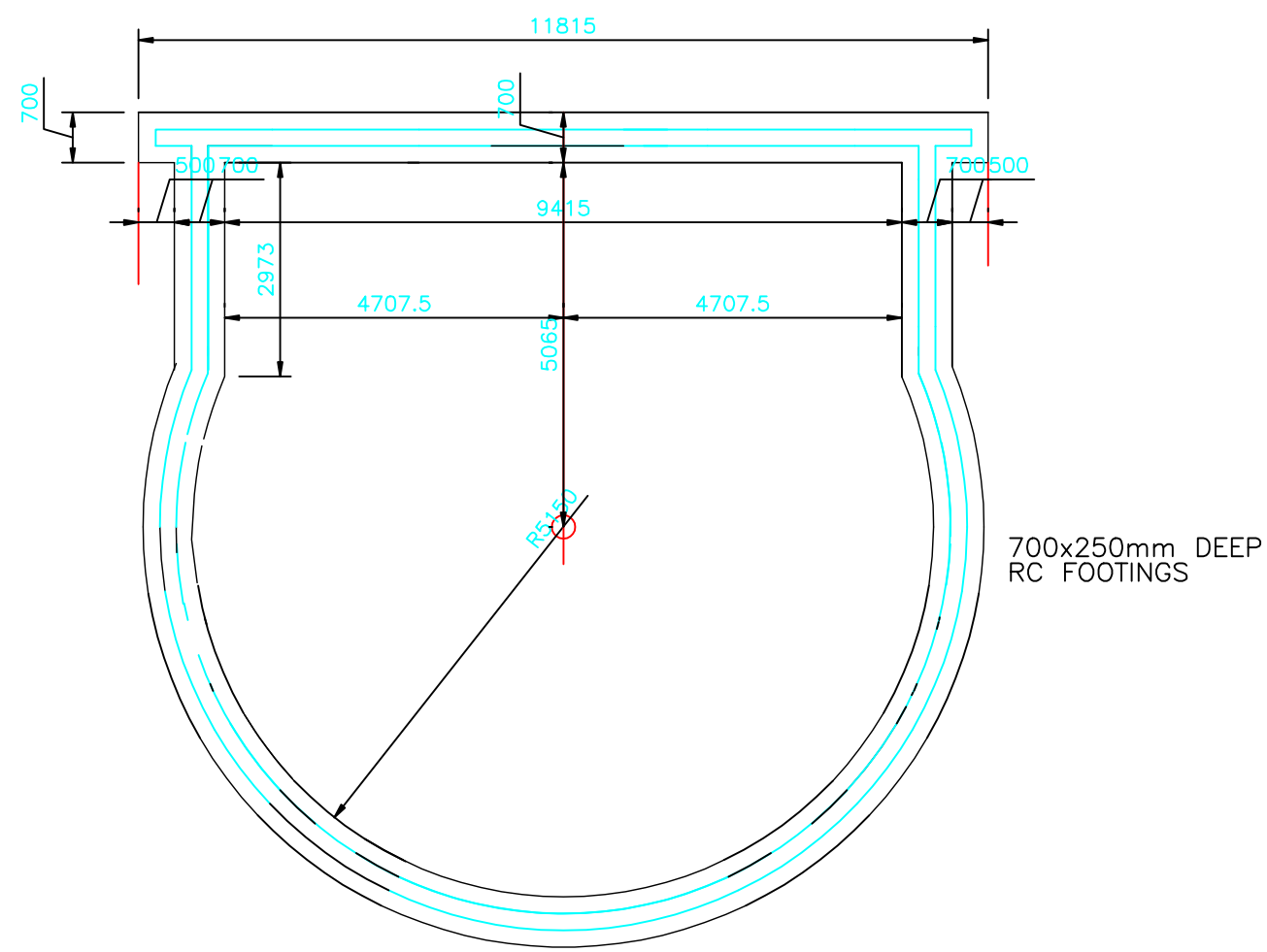
ENGINEER & PRINCIPAL AGENT

PATSON & PARTNERS QS

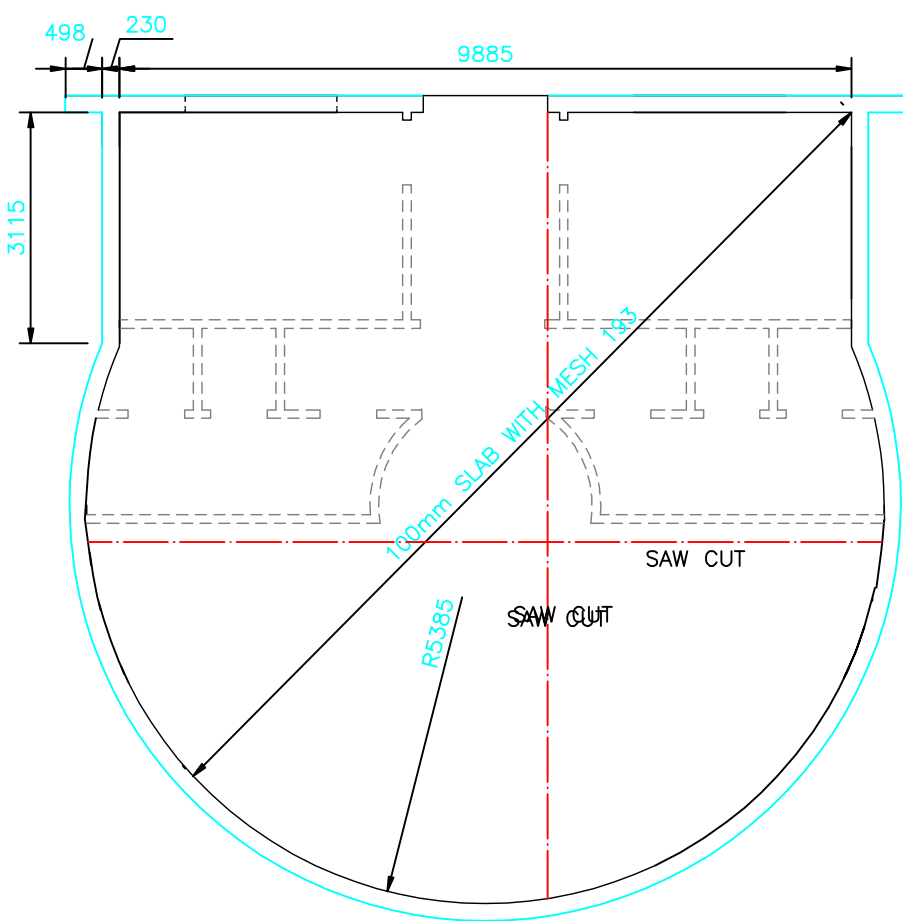
CLIENT

SWILE MAVOKWENI GARM FARM

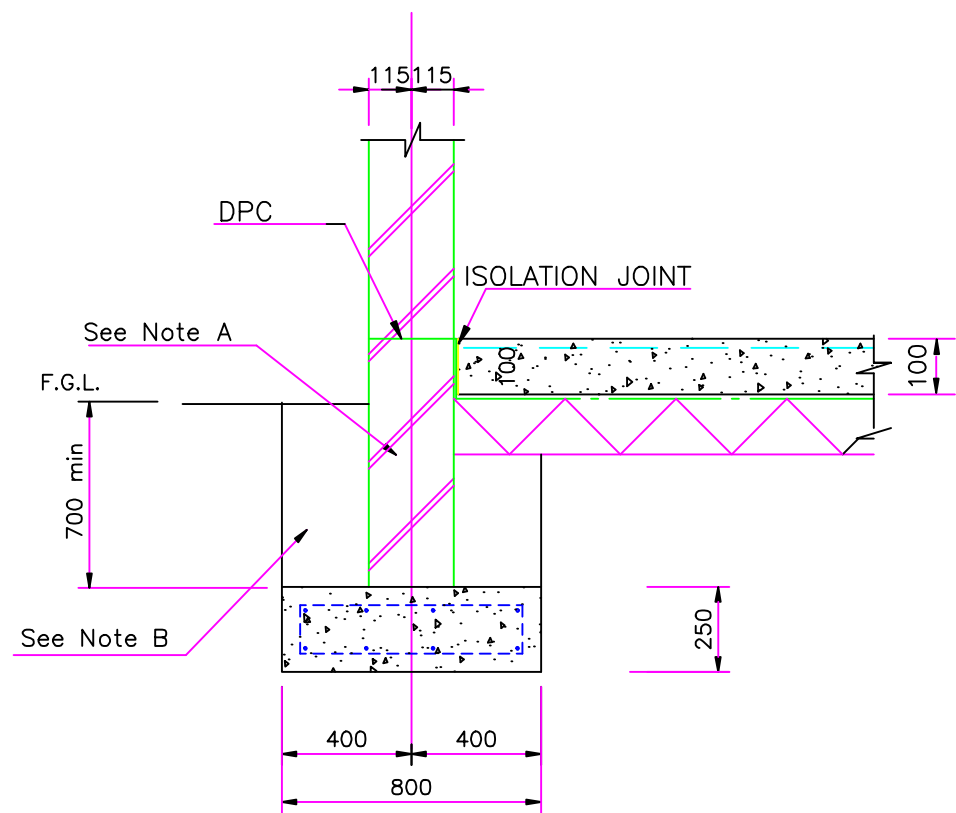
DRAWING			
MAIN ACCOMMODATION FOUNDATION & SLAB DETAILS			
DATE	MAY 2021	SCALE	AS SHOWN
DESIGNED BY	M S	APPROVED BY	M.D. SIBANDA Pr Tech Eng
PROJECT TRV NO	SWL 103	DATE	201570050
REV 0	CONSTRUCTION		



FOUNDATION LAYOUT
SCALE 1:100

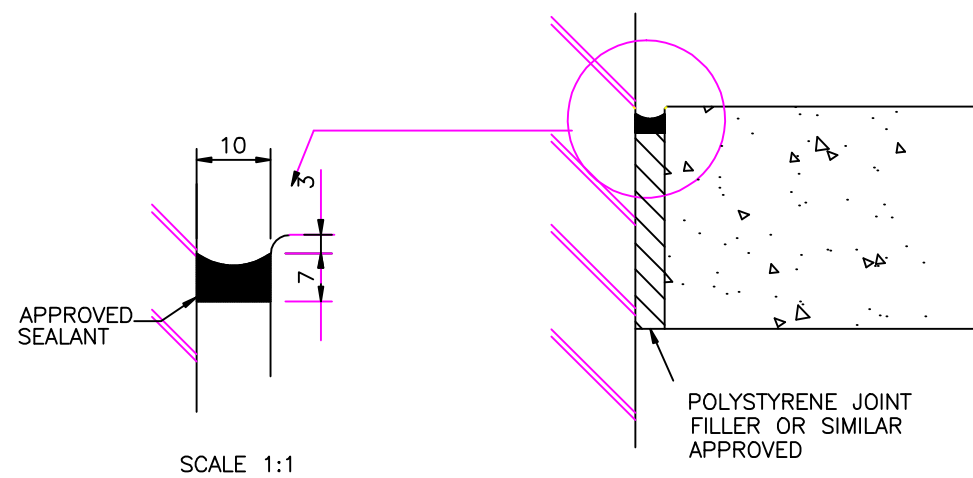


SLAB LAYOUT
SCALE 1:100

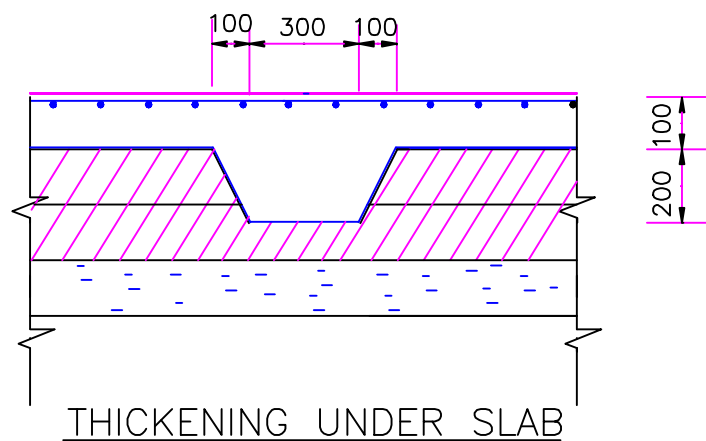
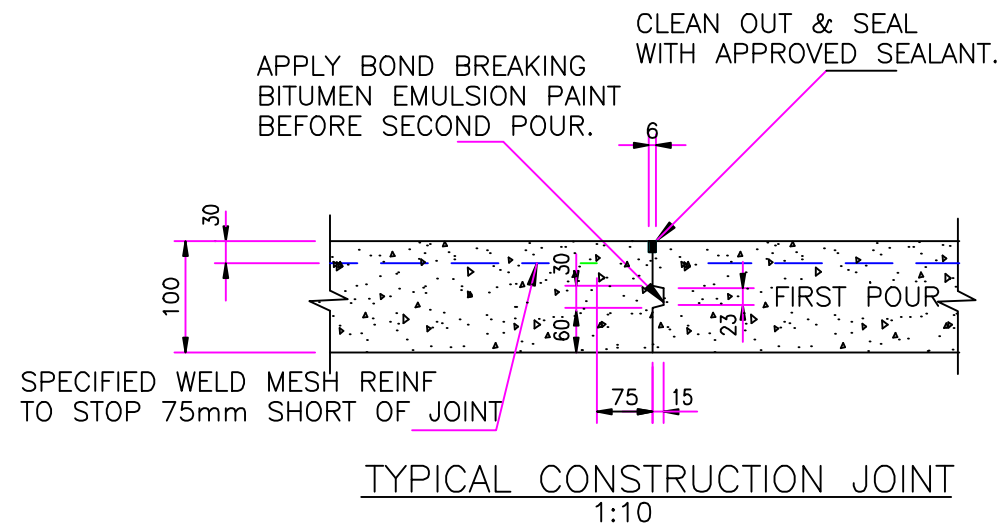
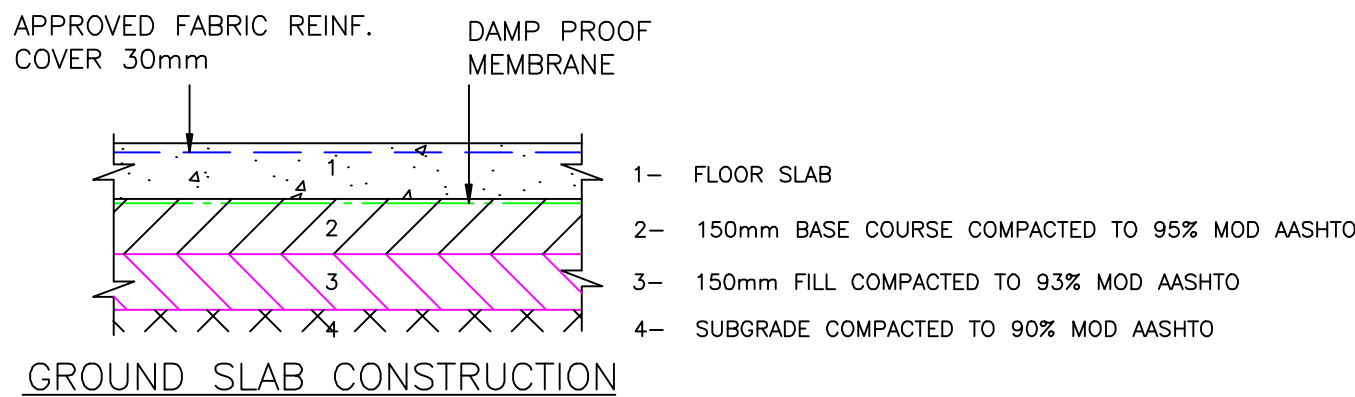
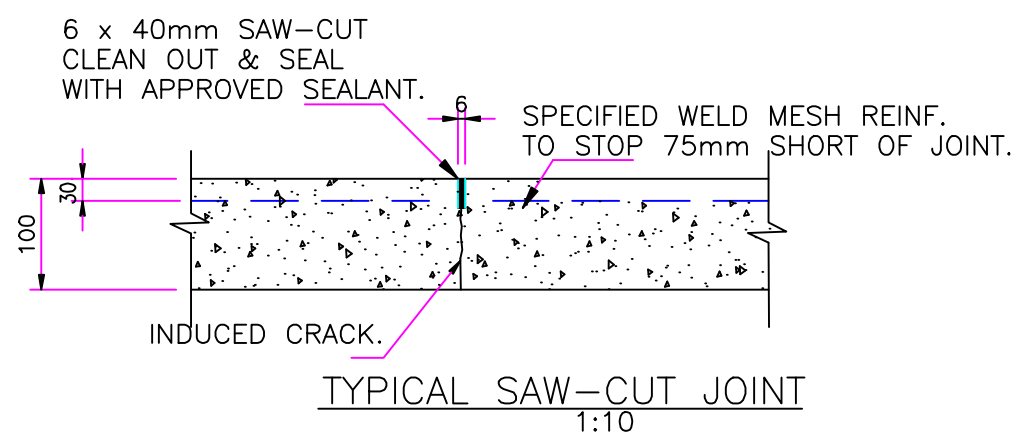


TYPICAL SECTION THROUGH 230 WALLS
SCALE 1:20

- NOTES
- A 14MPa FOUNDATION BRICKWORK WITH BRICKFORCE IN EACH COURSE UP TO DPC LEVEL
- B EXCAVATED MATERIAL RETURNED AND COMPACTED IN 150mm LAYERS TO 95% Mod AASHTO DENSITY



ISOLATION JOINT DETAIL
SCALE 1:1



REV NO	DATE	REVISED BY & DETAILS

- NOTES
- 1- NO SCALING OFF DRAWINGS USE WRITTEN DIMENSIONS, OTHERWISE CONSULT THE ENGINEER.
- 2- CONCRETE GRADE
- FOOTINGS 25 MPa
 - STRUCTURAL WALLS 30 MPa
 - FIRST FLOORS 30 MPa
 - SLABING 15 MPa
- 3- ALL EXPOSED CONCRETE SURFACES TO BE SMOOTH OFF-SHUTTER.
- 4- ALL EXPOSED CONCRETE EDGES TO HAVE 20 x 20 CORNER CHAMFERS.
- 5- CHARACTERISTIC STRENGTH OF REINFORCEMENT: -HIGH TENSILE 460 MPa -MILD TENSILE 250 MPa -WELD MESH 460 MPa
- 6- COVER TO REINFORCEMENT TO BE: -FLOORS 50mm -BEAMS/COLUMNS 30mm -BASES 50mm
- 7- ALL REINFORCEMENT TO BE APPROVED BY THE ENGINEER BEFORE CONCRETING.
- 8- THE ALLOWABLE BEARING CAPACITY UNDER FOUNDATIONS IS 150 KPa .THE CONTRACTOR IS TO ALLOW FOR TESTING IF REQUIRED & ALL EXCAVATIONS TO BE APPROVED BY THE ENGINEER BEFORE CONCRETING.
- 9- SUPPORT OF REINFORCEMENT WITH STOOLS TO BE USED BY THE CONTRACTOR EVEN WHERE DETAILS ARE SHOWN.

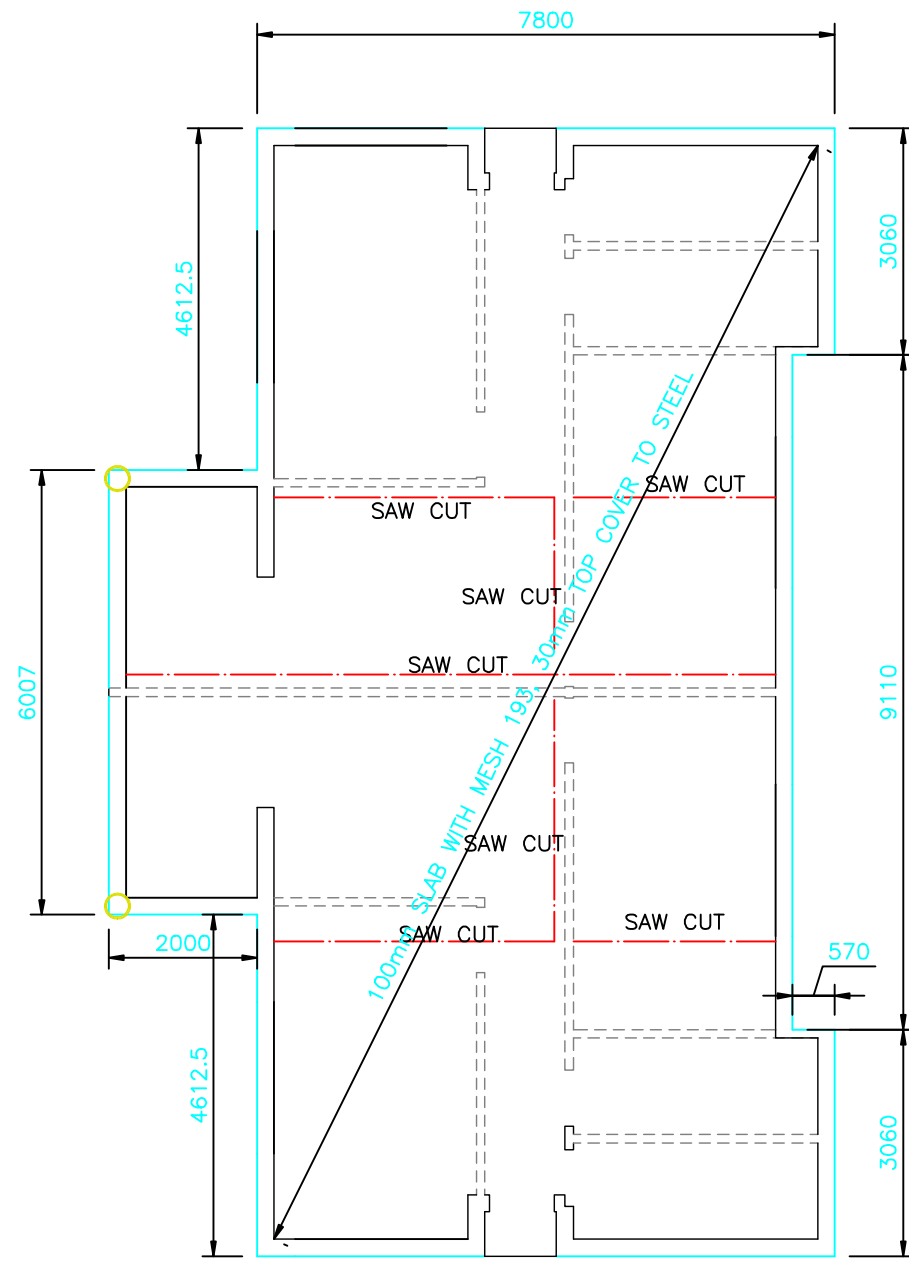
ENGINEER & PRINCIPAL AGENT

PATSON & PARTNERS QS

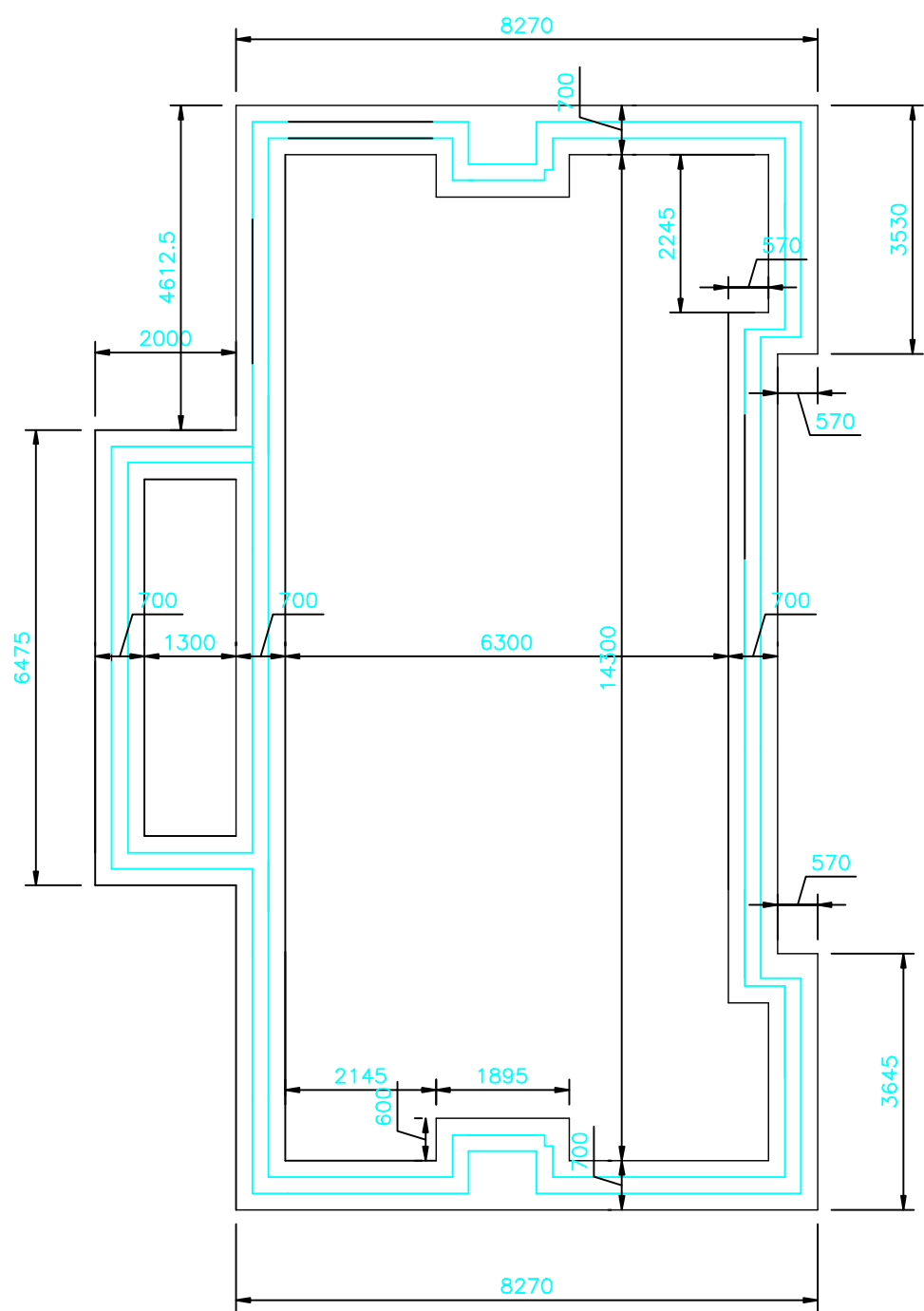
CLIENT

SWILE MAVOKWENI GARM FARM

DRAWING			
OFFICE/BOARD ROOM FOUNDATION & SLAB DETAILS			
DATE	MAY 2021	SCALE	AS SHOWN
DESIGNED BY	M S	CSA REG. NUMBER	201570050
APPROVED BY	M.D. SIBANDA Pr Tech Eng	DATE	
CLIENT APPROVAL		REV 0	
PROJECT ID	SWL 100	CONSTRUCTION	

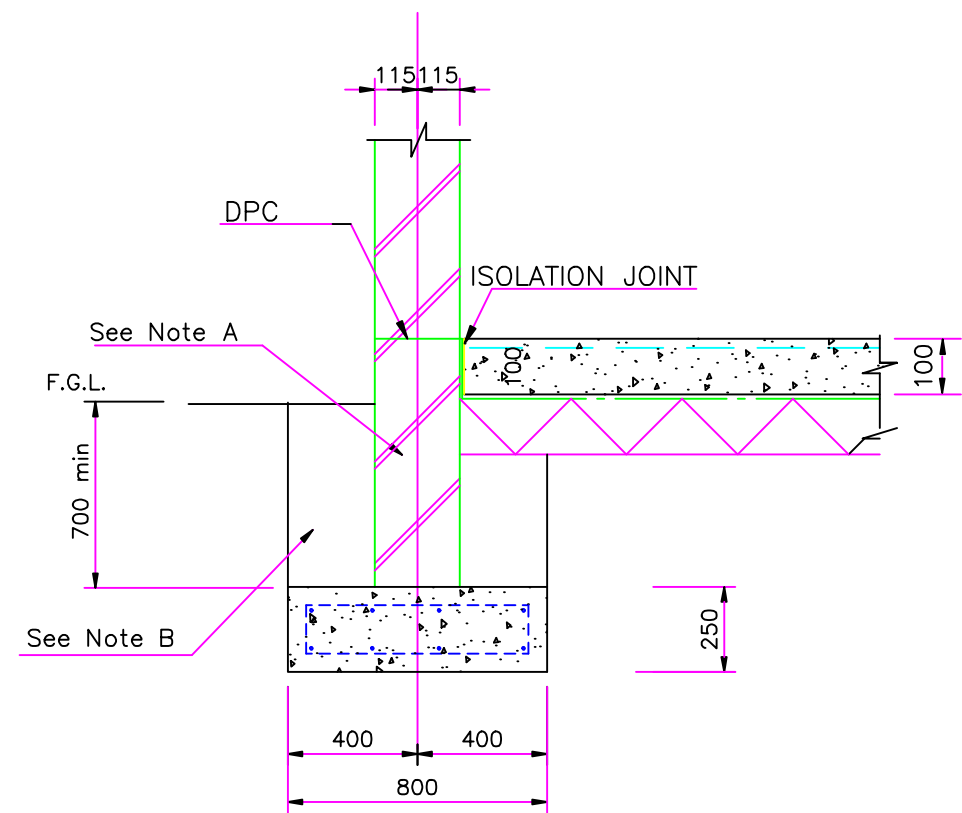


SLAB LAYOUT
SCALE 1:100



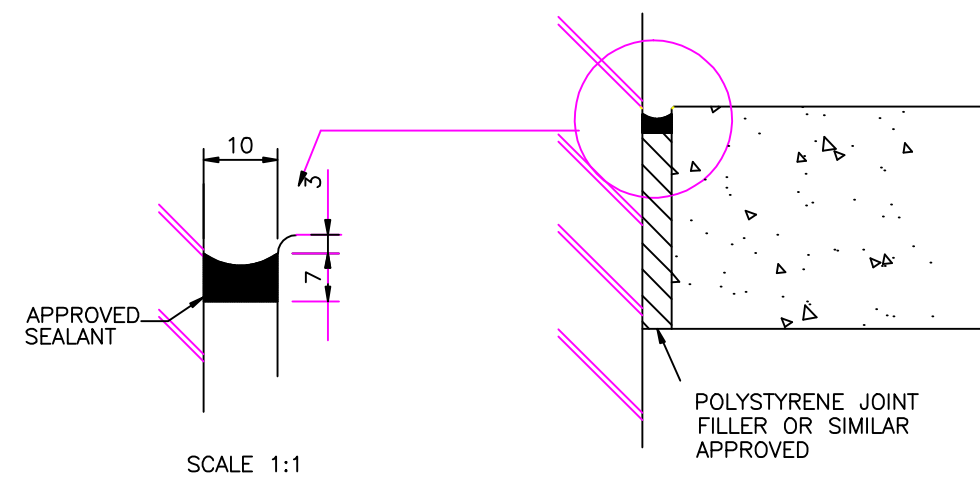
FOUNDATION LAYOUT
SCALE 1:100

700x250mm DEEP
RC FOOTINGS

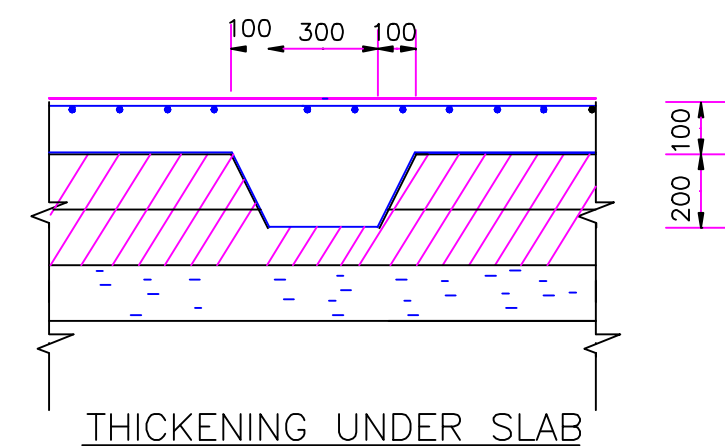
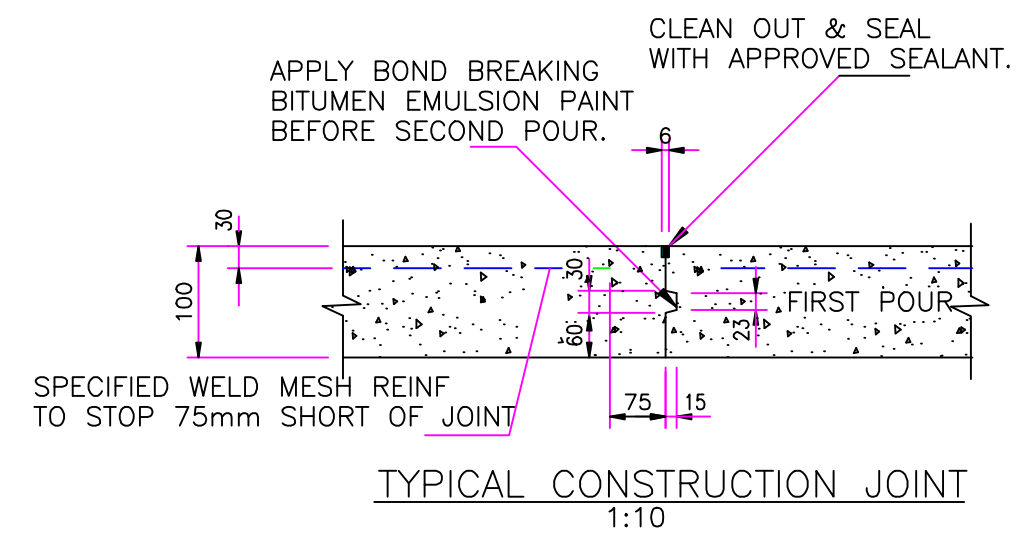
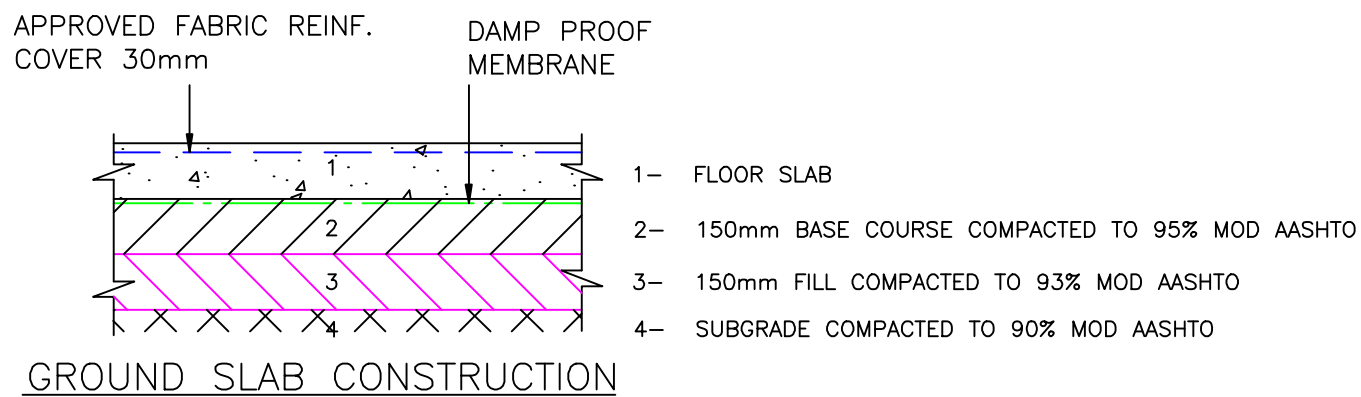
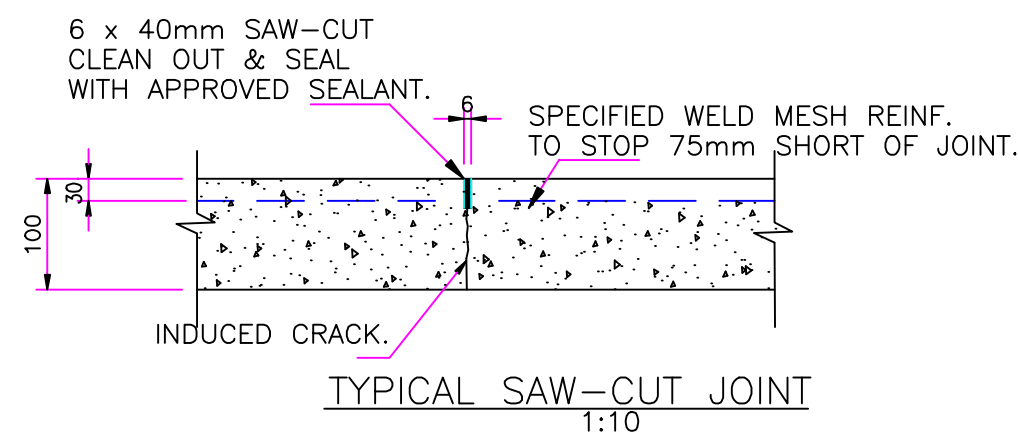


TYPICAL SECTION THROUGH 230 WALLS
SCALE 1:20

- NOTES
- A 14MPa FOUNDATION BRICKWORK WITH BRICKFORCE IN EACH COURSE UP TO DPC LEVEL
- B EXCAVATED MATERIAL RETURNED AND COMPACTED IN 150mm LAYERS TO 95% Mod AASHTO DENSITY



ISOLATION JOINT DETAIL



REV NO	DATE	REVISED BY & DETAILS

- NOTES
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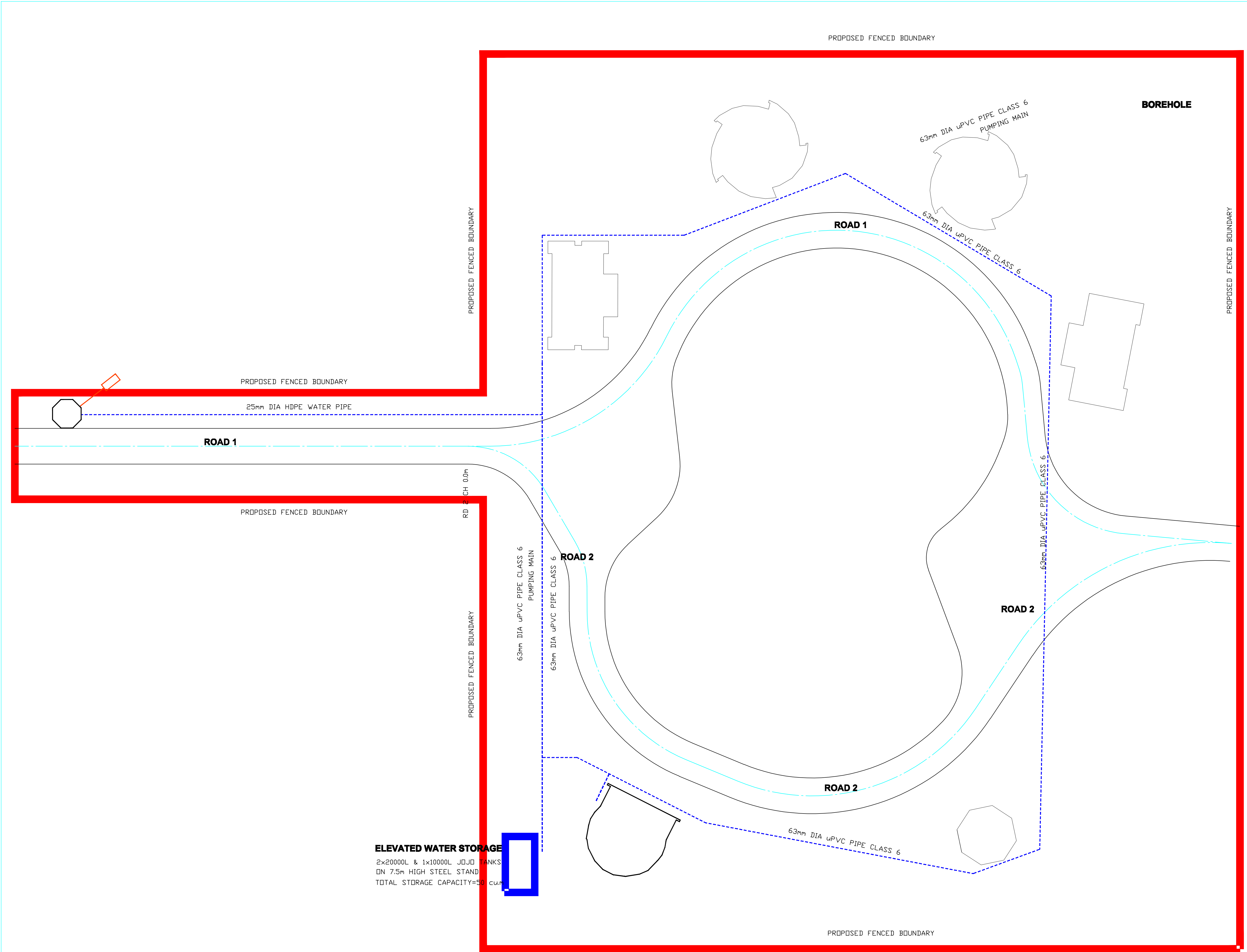
ENGINEER & PRINCIPAL AGENT

PATSON & PARTNERS QS

CLIENT

SWILE MAVOKWENI GARM FARM

DRAWING			
STAFF ACCOMMODATION FOUNDATION & SLAB DETAILS			
DATE	MAY 2021	SCALE	AS SHOWN
DESIGNED BY		M S	
APPROVED BY	ECSA REG. NUMBER		
M.D. SIBANDA Pr Tech Eng	201570050		
CLIENT APPROVAL			DATE
PROJECT DIR NO			SWL 102
PROJECT DIR NO			REV 0
CONSTRUCTION			



SCALE = 1 in 250

REV NO	DATE	REVISED BY & DETAILS
NOTES		
1- NO. SCALING OFF DRAWINGS USE WRITTEN DIMENSIONS, OTHERWISE CONSULT THE ENGINEER.		
ENGINEER & PRINCIPAL AGENT		
PATSON & PARTNERS QS		
CLIENT		
SWILE MAVOKWENI GARM FARM		
DRAWING		
EXTERNAL WORKS WATER RETICULATION		
DATE	SCALE	DESIGNED BY
MAY 2021	AS SHOWN	M S
APPROVED BY	CSA REG. NUMBER	
M.D. SIBANDA Pr Tech Eng	201570050	
CLIENT APPROVAL		DATE
PROJECT DRW NO		REV 0
CONSTRUCTION		

AGREEMENT WITH MANDATARY – SECTION 37 (1) & (2)
--

OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS 85 OF 1993

AGREEMENT ENTERED INTO BETWEEN TWO PARTIES

DEPARTMENT OF FORESTRY, FISHERIES AND THE ENVIRONMENT

CLIENT (DFFE)

AND

NAME OF THE CONTRACTOR OR AGENT

In respect of Project:

PROJECT NAME:

TENDER No.:

SITE ADDRESS:

It is hereby agreed that the Agent or Contractor shall be responsible for ensuring that the provisions of OHSA and Regulations 85 of 1993 promulgated hereunder are fully complied with:

ACTS or OMISSIONS BY EMPLOYEES or MANDATARIES –

(1) Whenever an employee does or omits to do any act which it would be an offence in terms of this Act for the employer of such employee or a user to do or omit to do, then, unless it is proved that -

(a) in doing or omitting to do that act the employee was acting without the connivance or permission of the employer or any such user;

(b) it was not under any condition or in any circumstance within the scope of the authority of the employee to do or omit to do an act, whether lawful or unlawful, of the character of the act or omission charged and

(c) all reasonable steps were taken by the employer or any such user to prevent any act or omission of the kind in question,

The employer or any such user himself shall be presumed to have done or omitted to do act and shall be liable to be convicted and sentenced in respect thereof; and the fact that he issued instructions forbidding any act or omission of the kind in question shall not, in, itself, be accepted as sufficient proof that he took all reasonable steps to prevent the act or omission.

(2) The provisions of subsection (1) shall *mutatis mutandis* apply in the case of a mandatory of an employer or user, except if the parties have agreed in writing to the arrangements and procedures between them to ensure compliance by the mandatory with the provisions of this Act.

SIGNED AT: _____ ON THIS _____ DAY OF _____ 20____

NAME OF SIGNATORY
(CONTRACTOR)

SIGNATURE

NAME OF SIGNATORY
(CLIENT DFFE)

SIGNATURE

[Please Note: This document will only be considered and finalized with the appointed Contractor as it will be included in the project OHS File].

Item No		Quantity	Rate	Amount
	<u>SECTION 1</u>			
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	The JBCC Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described			
	The JBCC Principal Building Agreement Contract Data EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement			
	The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities			
	Contractors are referred to the abovementioned documents for the intent and meaning of each clause thereof			
	These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents			
	Where any item is not relevant to this specific agreement such item is marked N/A (signifying "not applicable")			
	<u>PREAMBLES FOR TRADES</u>			
	The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained			
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

Brought Forward		R
Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles <u>PRICING OF PRELIMINARIES</u> Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T) <u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u> <u>Definitions (A1)</u> 1 Clause 1.0 - Definitions and interpretation The measuring system used for the preparation of the bills of quantities is the Standard System of Measuring Building Work (sixth edition, revised 1999) published by the Association of South African Quantity Surveyors [1.1] F:..... V:..... T:..... <u>Objective and preparation (A2 - A14)</u> 2 Clause 2.0 - Offer acceptance and performance obligations F:..... V:..... T:.....		
Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
3	Clause 3.0 - Documents Refer to Annexure A for a list of the contract drawings Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) [3.5] The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any [3.9] F:..... V:..... T:.....	Item	
4	Clause 4.0 - Design responsibility F:..... V:..... T:.....	Item	
5	Clause 5.0 - Employer's agents F:..... V:..... T:.....	Item	
6	Clause 6.0 - Contractor's site representative F:..... V:..... T:.....	Item	
7	Clause 7.0 - Compliance with laws and regulations Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [7.1] F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

[illegible]

	Brought Forward		R
16	Clause 16.0 - Site and access Certain areas will be occupied during the construction period and the contractor must execute the works with as little noise and disturbance as possible to the occupants. [16.6] F:..... V:..... T:.....	Item	
17	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item	
18	Clause 18.0 -Setting out of the works The contractor shall notify the principal agent if any encroachment of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments [18.1] F:..... V:..... T:.....	Item	
19	Clause 19.0 - Temporary works and plant Clause 19.1.1 - Enclosure of the works F:..... V:..... T:.....	Item	
20	Clause 19.1.2 - Office accommodation - provide suitable office accommodation for site meetings with tables and chairs for ten people F:..... V:..... T:.....	Item	
21	Clause 20.0 - Nominated subcontractors Refer to the provisions on general attendance hereinafter F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
22	Clause 21.0 - Selected subcontractors General attendance of n/s subcontractors for pricing by the contractor shall be in accordance with the n/s agreement. Notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as may reasonably be required by such n/s subcontractor for the execution of the relevant subcontract work F:..... V:..... T:.....	Item	
23	Clause 22.0 - Employer's direct contractors F:..... V:..... T:.....	Item	
24	Clause 23.0 - Contractor's domestic subcontractors F:..... V:..... T:..... <u>Completion (A24 - A30)</u>	Item	
25	Clause 24.0 - Practical completion F:..... V:..... T:.....	Item	
26	Clause 25.0 - Works completion F:..... V:..... T:.....	Item	
27	Clause 26.0 - Final completion F:..... V:..... T:.....	Item	
28	Clause 27.0 - Latent defects liability period F:..... V:..... T:.....	Item	
29	Clause 28.0 - Sectional completion F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
30	Clause 29.0 - Revision of date for practical completion The removal and replacement of materials and/or workmanship which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3) F:..... V:..... T:.....	Item	
31	Clause 30.0 - Penalty for late or non-completion: 0.05% of the Contract Amount inclusive of Value Added Tax per Calendar day F:..... V:..... T:..... <u>Payment (A31 - A35)</u>	Item	
32	Clause 31.0 - Interim payment Materials and goods stored off site shall not be included in the amount authorised for payment [31.6.5] F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R	
33	Clause 32.0 - Adjustment to the contract value - NOT APPLICABLE All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [32.13] Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the agreement and notwithstanding the fact that such prices may be used in an interim payment certificate there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims for loss of profit shall not be entertained [32.2] F:..... V:..... T:.....	N/A		
34	Clause 33.0 - Recovery of expense and loss F:..... V:..... T:.....	Item		
35	Clause 34.0 - Final account and final payment F:..... V:..... T:.....	Item		
36	Clause 35.0 - Payment to other parties F:..... V:..... T:..... <u>Termination (A36 - A39)</u>	Item		
37	Clause 36.0 - Termination by employer - contractor's default F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
38	Clause 37.0 - Termination by employer - loss and damage F:..... V:..... T:.....	Item	
39	Clause 38.0 - Termination by contractor - employer's default F:..... V:..... T:.....	Item	
40	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:..... <u>Dispute (A40)</u>	Item	
41	Clause 40.0 - Settlement of disputes F:..... V:..... T:..... <u>Contract variables (A41 - A42)</u>	Item	
42	Clause 41.0 - Post tender provisions The contractor is to complete and submit with his tender the JBCC Principal Building Agreement Contract Data CE F:..... V:..... T:.....	Item	
43	Clause 42.0 - Contractual agreement The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties F:..... V:..... T:..... <u>SECTION B: PRELIMINARIES</u>	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

Brought Forward			R
<u>Definitions and interpretation (B1)</u>			
44	Clause 1.0 - Definitions and interpretation F:..... V:..... T:.....	Item	
<u>Documents (B2)</u>			
45	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item	
46	Clause 2.2 - Provisional bills of quantities F:..... V:..... T:.....	Item	
47	Clause 2.3 - Availability of construction documentation The budgetary allowances and selected subcontract amounts allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of selected subcontractors during the construction period F:..... V:..... T:.....	Item	
<u>Previous work and adjoining properties (B3)</u>			
48	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item	
49	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item	
50	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

Brought Forward			R
<u>Samples, shop drawings and manufacturer's instructions (B4)</u>			
51	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item	
52	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item	
53	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item	
54	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
<u>Deposits and fees (B5)</u>			
55	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item	
<u>Temporary services (B6)</u>			
56	Clause 6.1 - Water F:..... V:..... T:.....	Item	
57	Clause 6.2 - Electricity F:..... V:..... T:.....	Item	
58	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

Brought Forward			R
59	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item	
	<u>Prime cost amounts (B7)</u>		
60	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item	
	<u>Special attendance on n/s subcontractors (B8)</u>		
61	Clause 8.1 - Special attendance F:..... V:..... T:.....	Item	
	<u>General (B9)</u>		
62	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item	
63	Clause 9.2 - Protection/isolation of existing/ occupied works Certain areas of the sitewill be occupied during the construction period (see item 4 page 14) F:..... V:..... T:.....	Item	
64	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item	
65	Clause 9.4 - Notice before covering work F:..... V:..... T:.....	Item	
66	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
67	Clause 9.6 - Environmental disturbance F:..... V:..... T:.....	Item	
68	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item	
69	Clause 9.8 - Vermin F:..... V:..... T:.....	Item	
70	Caluse 9.9 - Overhand work F:..... V:..... T:.....	Item	
	<u>Schedule of variables (B10)</u> Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract 10.1 - Provisional bills of quantities [2.2] The quantities are provisional No 10.2 - Availability of construction documentation [2.3] Construction documentation is complete Yes 10.3 - Previous work - dimensional accuracy [3.1] 10.4 - Previous work - defects [3.2] 10.5 - Inspection of adjoining properties [3.3] 10.6 - Water [7.2] Option A (by contractor) Yes Option B (by employer - free of charge) No Option C (by employer - metered) No		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

Brought Forward 10.7 - Electricity [7.3] Option A (by contractor) Yes Option B (by employer - free of charge) No Option C (by employer - metered) No 10.8 - Telecommunications [7.4] Telephone Yes Facsimile Yes E-mail Yes 10.9 - Ablution facilities [7.5] Option A (by contractor) Yes Option B (by employer) No 10.10 - Protection of the works [9.1] 10.11 - Protection/isolation of existing/sectionally occupied works [9.2] Protection/isolation is required No 10.12 - Disturbance [9.5] 10.13 - Environmental disturbance [9.6] <u>SECTION C: SPECIFIC PRELIMINARIES</u> Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included Carried Forward Section No. 1 Bill No. 1 Preliminaries		R	
		R	

	Brought Forward		R
71	Black economic empowerment and training F:..... V:..... T:.....	Item	
72	Proprietary branded products F:..... V:..... T:..... The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative	Item	
73	Contract instructions F:..... V:..... T:..... Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor	Item	
74	Labour record F:..... V:..... T:..... At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week	Item	
75	Plant record F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

Brought Forward		R	
76	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week Guarantees F:..... V:..... T:..... Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement	Item	
77	Overtime F:..... V:..... T:..... Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer	Item	
78	Co-operation of contractor for cost management F:..... V:..... T:.....	Item	
Carried Forward		R	
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
	It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors		
79	Occupational Health and Safety Specification		
	F:..... V:..... T:.....	Item	
	The contractor shall comply with all the requirements set out in the Construction Regulations 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of parial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including extension of time or interest, due to such delay of payment. Provisions for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
80	Allow for the compulsory equipment and clothing, ie hats, safety shoes, safety clothing, safety glasses, safety masks, harnesses, etc F:..... V:..... T:.....	Item	
81	Allow for all compulsory health and safety posters, boards, etc F:..... V:..... T:.....	Item	
82	Allow for all compulsory health and safety workshops, meetings, lectures, demonstrations, etc F:..... V:..... T:.....	Item	
83	Allow for all compulsory health and safety pamphlets, cards, paperwork, etc to each worker, consultant, public individual, etc coming onto the site F:..... V:..... T:.....	Item	
84	Allow for compulsory health and safety files that must be completed daily and must be handed to the employer on completion of the contract F:..... V:..... T:.....	Item	
85	Scope of Application as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R	
86	Notification of Construction Work as per Act No 85 of 1993			
	F:..... V:..... T:.....	Item		
87	Employer's responsibilities as per Act No 85 of 1993			
	F:..... V:..... T:.....	Item		
88	Principal Contractor's responsibility as per Act No 85 of 1993			
	F:..... V:..... T:.....	Item		
89	Supervision of construction work as per Act No 85 of 1993			
	F:..... V:..... T:.....	Item		
90	Risk assessment as per Act No 85 of 1993			
	F:..... V:..... T:.....	Item		
91	Fall protection as per Act No 85 of 1993			
	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

Brought Forward			R	
92	Structures Formwork and Support as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
93	Excavation as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
94	Demolotion work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
95	Tunnelling as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
96	Scaffolding as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
97	Suspended platforms as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries				

Brought Forward			R
98	Botswains chairs as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
99	Materials hoists as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
100	Batch plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
101	Explosive powered tools as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
102	Cranes as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
103	Construction vehicles and mobile plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
104	Electrical installations and machinery on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
105	Use and temporary storage of flammable liquids on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
106	Water environments as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
107	Housekeeping on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
108	Stacking and storage on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
109	Fire precautions as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R	
110	Construction welfare as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
111	Approved inspection Authorities as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
112	Offences and penalties as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
113	Repeal of regulations as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
114	Short title as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
115	Obligatory Sub-contracting and Training F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

Brought Forward		R
The Contractor shall sub-contract 40% of the work to Domestic Sub-contractors as listed in the Schedule of Sub-Contractors in the Returnable Schedules The Principal Agent and the Contractor shall at all times make sure that the work complies with the relevant specifications, standards and norms as contained in this tender. The Principal Agent and the Contractor shall provide for the necessary skills transfer and assistance to complete the sub-contracted section of the works. The Principal Agent and the Contractor shall provide the necessary documentation to the Domestic Sub-Contractor for upgrading of the rating by CIDB. BEE Sub-Contractors must be 100% black owned and have offices in Mpumalanga Province		
116	Expanded Public Works Programme F:..... V:..... T:..... The Contractor shall study the guidelines for the implimentation of labour-intensive infrastructure projects under the Expanded Public Works Programme (EPWP) attached to this document. The Contractor shall take note of the requirements and inform all selected and or other sub-contractors, as no claim afterwards will be entertained	Item
117	C11.1 Local and targeted labour F:..... V:..... T:.....	Item
118	Allow for regular submission of proof of employment of local skilled and unskilled labour to Employer's representative F:..... V:..... T:.....	Item
Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries		

Brought Forward			R
119	Training allowance paid to targeted labour in respect of formal training. F:..... V:..... T:.....	Item	
120	Extra over for the administration of payment of training allowances to targeted labour F:..... V:..... T:.....	Item	
121	Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site F:..... V:..... T:.....	Item	
122	C12: Contract drawings F:..... V:..... T:..... The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent	Item	
123	C13: General preambles F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
124	C14: Trade names F:..... V:..... T:..... Wherever a trade name form any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for	Item	
125	C15: Community Liaison Officer F:..... V:..... T:.....	Item	
126	Allow for a Community Liaison Officer (CLO) to be appointed F:..... V:..... T:.....	Item	
127	Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the site office. F:..... V:..... T:.....	Item	
128	Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the toilets. F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

Brought Forward			R	
129	Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the sheds. F:..... V:..... T:.....	Item		
130	C16: SANS 1921-6: HIV/AIDS Awareness read in conjunction with the Associated Specification Data F:..... V:..... T:.....	Item		
131	General requirements (Clause 4.1) F:..... V:..... T:.....	Item		
132	HIV/AIDS awareness programme (Clause 4.2) F:..... V:..... T:.....	Item		
133	Reporting (Clause 4.3) F:..... V:..... T:.....	Item		
134	General requirements (Clause 4.1) F:..... V:..... T:.....	Item		
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries				

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>MAIN ACCOMMODATION BLOCKS</u>			
	<u>BILL NO. 1</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>EARTHWORKS</u>			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	329	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	329	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
3	Reduced levels under floors	m3	25	
4	Trenches	m3	110	
	Carried Forward			
	Section No. 2			
	Bill No. 1			
	Foundations (Provisional)			
			R	

Brought Forward			R
<u>Extra over trench and hole excavations in earth for excavation in</u>			
5	Soft rock	m3	7
6	Hard rock	m3	4
<u>Extra over all excavations for carting away</u>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	31
<u>Risk of collapse of excavations</u>			
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	367
<u>Keeping excavations free of water</u>			
9	Keeping excavations free of all water other than subterranean water	Item	
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
10	Under floors, steps, pavings, etc	m3	25
11	Backfilling to trenches, holes, etc	m3	54
<u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>			
12	Under floors, steps, pavings, etc	m3	49
<u>Coarse river sand filling supplied by the contractor</u>			
13	Under floors etc	m3	8
<u>SOIL POISONING</u>			
<u>Soil insecticide</u>			
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	164
15	To bottoms and sides of trenches	m2	412
Carried Forward			R
Section No. 2 Bill No. 1 Foundations (Provisional)			

Brought Forward			R
<u>CONCRETE</u>			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm concrete</u>			
16	Surface blinding under footings and bases	m3	6
<u>REINFORCED CONCRETE</u>			
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
17	Strip footings	m3	28
<u>REINFORCEMENT</u>			
<u>(CPAP FORMULA WORK GROUP NO. 114)</u>			
<u>High tensile steel reinforcement to structural concrete work</u>			
18	10mm Diameter bars stirrups	t	0.46
19	12mm Diameter bars	t	0.57
<u>BRICKWORK</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
20	One brick walls	m2	112
21	Half brick walls	m2	16
<u>Brickwork reinforcement</u>			
22	150mm Wide reinforcement built in horizontally	m	560
23	75mm Wide reinforcement built in horizontally	m	81
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
Foundations (Provisional)			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Cost of tests</u>			
	The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent. (Test cubes are measured separately)			
	<u>Formwork</u>			
	Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself. Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
	Carried Forward		R	
	Section No. 2 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
1	Surface beds on waterproofing	m3	17
<u>TEST BLOCKS</u>			
2	Making and testing 150 x 150 x 150mm concrete strenght test cube (Provisional)	No	10
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
3	Aprons, slabs, etc to falls	m2	164
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
4	Edges, risers, ends and reveals not exceeding 300mm high or wide (Provisional)	m	36
<u>MOVEMENT JOINTS ETC</u>			
<u>Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete and/or brick surfaces</u>			
5	10mm Joints not exceeding 300mm high	m	72
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Fabric reinforcement</u>			
6	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	164
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<u>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.			
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	Half brick walls	m2	88	
2	Half brick walls in beamfilling	m2	21	
3	One brick walls	m2	372	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
4	75mm Wide reinforcement built in horizontally	m	546	
5	150mm Wide reinforcement built in horizontally	m	1,863	
	<u>Prestressed fabricated lintels</u>			
6	110 x 75mm Lintels in lengths not exceeding 3m	m	31	
	Carried Forward			
	Section No. 2			
	Bill No. 3			
	Masonry			
			R	

Brought Forward			R
<u>Galvanised hoop iron cramps, ties, etc</u>			
7	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	110
<u>NUTEC-CEMENT WINDOW SILLS</u>			
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc</u>			
8	15 x 150mm Wide sills set flat and slightly projecting	m	25
<u>PAVING (Provisional)</u>			
<u>60mm Standard grey interlocking paving blocks laid with butt joints (Prime Cost Amount R 1 000.00/1000) on 25mm thick river sand bed with sand and cement mixture swept into joints and hosed down, including preparation of ground or filling</u>			
9	Paving in herringbone bond in aprons	m2	61
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 3			
Masonry			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS ETC</u>			
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
	<u>0,6mm "IBR" Z275 spelter galvanised troughed sheet steel with "globalcoat" finish on one side in single lengths fixed to timber purlins and 0,6mm galvanised sheet steel accessories with "globalcoat" finish on one side</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	216	
2	Head wall flashings 308mm girth	m	49	
	<u>ROOF AND WALL INSULATION</u>			
	<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>			
3	Insulation laid taut over purlins (at approximately 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	188	
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2			
	Bill No. 5			
	Roof Covering			

Brought Forward <u>ROOFS, ETC</u> <u>Plate nailed timber roof truss construction</u> The following is applicable in respect of roof trusses: Trusses are at maximum 1,10m centres Roof covering is galvanised "IBR" roof sheeting with "Globalcoat" finish on one side on 50 x 75mm purlins at 1,1m maximum centres. Ceilings are generally 6,4mm gypsum plasterboard on 38 x 38mm brandering. All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245. Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish. All joints to be close fitted butt joints. Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabricaton commences. Tenderers must study the roof plan and sections as attached to the back of these bills of quantities (refer drawing No.'s CLASS-3 - 001 to 002) and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained. <u>Sawn softwood</u> 1 38 x 114mm Wall plates Carried Forward Section No. 2 Bill No. 6 Carpentry and Joinery			R
		R	

	Brought Forward			R
2	Design, manufacture and deliver on site, plate nailed roof truss construction to main accommodation Block, circular in form, size 15.46m diameter overall on plan consisting of forty five mono pitched trusses, each truss 7 750 x 1 800mm high overall with 600mm eaves overhang projecting all sides, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere)	No	1	
3	Design, manufacture and deliver on site, plate nailed roof truss construction to main accommodation Block, circular in form, size 4.886m diameter overall on plan consisting of sixteen mono pitched trusses, each truss 2 443 x 1 800mm high overall with 600mm eaves overhang projecting all sides, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere)	No	1	
4	Take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gangboarding, temporary and permanent bracing, etc (measured on slope of roof)	m2	188	
	<u>Sundries</u>			
5	Two coats creosote on sawn timbers	m2	9	
	<u>EAVES , VERGES , ETC</u>			
	<u>"Everite" pressed nutec-cement</u>			
6	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	64	
	<u>DOORS ETC</u>			
	<u>Wrought hardwood flushback doors with sapele veneer hung to steel frames</u>			
7	44mm "TDM" Framed and ledged door 813 x 2 032mm high	No	5	
	<u>Semi-solid flush doors with sapele veneer on both sides hung to steel frames</u>			
8	44mm Door 813 x 2 032mm high	No	5	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 6			
	Carpentry and Joinery			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>IRONMONGERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:			
	BS Satin bronze lacquered			
	CH Chromium plated			
	SC Satin chromium plated			
	SE Silver enamelled			
	GE Grey enamelled			
	AS Anodised silver			
	AB Anodised bronze			
	AG Anodised gold			
	ABL Anodised black			
	PB Polished brass			
	PL Polished and lacquered			
	PT Epoxy coated			
	SD Sanded			
	NP Nickle plated			
	<u>HINGES, BOLTS, ETC.</u>			
1	200mm Brass barrel bolt with keep fixed to metal	No	10	
	<u>"Union"</u>			
2	"CZ80941SC" WC indicator bolt with keep fixed to metal	No	5	
	<u>LOCKS</u>			
	<u>"Union"</u>			
3	"CZ682-24/2247-78" or other similar and approved four lever lockset with striking plate fixed to metal or timber	No	5	
	<u>"Mazac Tarpon"</u>			
4	"952/2L" or other equal and approved two lever lockset with chrome plated finish with striking plate fixed to metal	No	5	
	<u>HANDLES</u>			
	Carried Forward			
			R	
	Section No. 2			
	Bill No. 9			
	Ironmongery			

Brought Forward			R
	<u>"Dorma"</u>		
5	32 x 515mm Stainless steel "D" straight back-to-back pull handles	No	10
	<u>"BATHROOM FITTINGS"</u>		
6	19mm Diameter chromium plated towel rail 600mm long including end brackets plugged	No	5
	<u>"Stiebel Eltron"</u>		
7	"SDSS" Soap dispenser plugged	No	5
	<u>"Nampak"</u>		
8	"TR2" lockable toilet roll holder plugged	No	5
	<u>LETTERS, NAMEPLATES, ETC</u>		
9	60 x 3mm Thick perspex plate with two 40mm high engraved and painted numerals	No	1
	<u>"Union"</u>		
10	"AL5066-06ASE06" 152 x 152mm anodised aluminium plate with fire extinguisher pictogram	No	1
	<u>SUNDRIES</u>		
	<u>"Union"</u>		
11	"AL8730AS" door stop plugged	No	10
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 9			
Ironmongery			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>METALWORK</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<u>WELDED SCREENS, GATES, ETC</u>			
	<u>Steel gates and frames</u>			
1	Single gate and frame 965 x 2 067mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 813 x 2 032mm high of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including 150mm barrelbolt and padlock	No	5	
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1,2mm Double rebated frames suitable for half brick walls</u>			
2	Frame for door 813 x 2 032mm high	No	5	
	<u>1,2mm Double rebated frames suitable for one brick walls</u>			
3	Frame for door 813 x 2 032mm high	No	5	
	Carried Forward			
	Section No. 2 Bill No. 10 Metalwork		R	

Brought Forward			R
<u>STEEL WINDOWS, DOORS, ETC</u>			
<u>Standard steel type top hung residential open out windows with 12mm square steel rods at 100mm c/c between burgler bars</u>			
4	Window type G1, 533 x 359mm high	No	5
5	Window type SG4, 1 511 x 949mm high	No	5
6	Window type E4H, 1 511 x 654mm high	No	4
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 10			
Metalwork			

Item No		Quantity	Rate	Amount
	BILL NO. 11			
	PLASTERING			
	SCREEDS			
	Screeds on concrete			
1	25mm Thick on floors and landings	m2	164	
	INTERNAL PLASTER			
	Cement plaster on brickwork			
2	On walls	m2	538	
3	On narrow widths	m2	25	
	EXTERNAL PLASTER			
	Cement plaster on brickwork			
4	On walls	m2	461	
5	On narrow widths	m2	16	
	CORNER PROTECTORS, DIVIDING STRIPS, ETC			
6	3 x 32mm Flat section brass dividing strips between different floor finishes	m	9	
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2 Bill No. 11 Plastering			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 148 for CPAP formula purposes.			
	<u>"Polycop" polypropylene pipes:</u> Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions All pipe diameters are nominal external			
	<u>Concrete pipes:</u> Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings			
	<u>uPVC pipes and fittings:</u> Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<u>uPVC pressure pipes and fittings:</u> Pipes for water supply shall be of the class stated Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
	Carried Forward		R	
	Section No. 2 Bill No. 13 Plumbing and Drainage			

Brought Forward Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints <u>Copper pipes:</u> Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground <u>Fixing of pipes</u> Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level <u>Reducing fittings</u> Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained <u>Wire gratings</u> Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings <u>Excavations</u> No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling "Soft rock" and "hard rock" shall be as defined in "Earthworks"		R	
Carried Forward Section No. 2 Bill No. 13 Plumbing and Drainage		R	

Brought Forward			R
<u>Laying, backfilling, bedding, etc. of pipes</u>			
Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions			
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding			
<u>Flush pans</u>			
Flush pans shall have straight or side outlets and "P" or "S" traps as necessary			
<u>Stainless steelbasins, sinks, wash troughs, urinals, etc.</u>			
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable			
<u>Waste unions</u>			
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings			

<u>RAINWATER DISPOSAL</u>			
<u>0.8mm seamless aluminium gutters and down pipes</u>			
1	75 x 75mm eaves gutters	m	49
2	Extra over 75 x 75mm eaves gutter for angle	No	5
3	Extra over 75 x 75mm eaves gutter for outlet for 75mm pipe	No	5
4	75mm Diameter rainwater pipes	m	15
Carried Forward			R
Section No. 2 Bill No. 13 Plumbing and Drainage			

	Brought Forward			R
5	Extra over 75mm diameter rainwater pipe for shoe	No	5	
6	Extra over 75mm diameter rainwater pipe for bend	No	5	
7	Extra over 75mm diameter rainwater pipe for eaves or plinth offset 600mm projection	No	5	
<u>SANITARY FITTINGS</u>				
<u>"Plumbcrazy" Grade 304 stainless steel</u>				
8	"DEB Code 304-11A" Double bowl sink and drainer 1 350 x 535mm wide including fixing complete to walls with (Code 7880) mild steel brackets bolted with expansion bolts	No	5	
<u>"Vaal"</u>				
9	530 x 430mm "Orbit" self-rimming drop-in vanity basin	No	5	
10	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	5	
<u>WASTE UNIONS, ETC</u>				
<u>"Cobra Watertech"</u>				
11	32mm "301CP" Basin waste union	No	5	
12	40mm "316CP" Bath or sink waste union	No	5	
<u>TRAPS, ETC</u>				
<u>"Marley"</u>				
13	32 x 50mm Deep seal "P" or "S" trap	No	5	
<u>"Cobra Watertech"</u>				
14	32mm "345/50CP" bottle trap	No	5	
15	40mm "365/50CP" bottle trap	No	5	
16	40 x 300mm Sink combination for double bowl with deepseal "P" trap	No	5	
Carried Forward				R
Section No. 2 Bill No. 13 Plumbing and Drainage				

	Brought Forward			R
	<u>"Cobra Watertech"</u>			
17	40mm "373CP" Shower trap including grating	No	5	
	<u>TAPS, VALVES, ETC</u>			
	<u>Brass</u>			
18	15mm Fullway gate valve	No	2	
19	22mm Fullway gate valve	No	3	
20	22mm Bibcock with hose union	No	2	
	<u>"Cobra Watertech"</u>			
21	15mm "059CP" Extension piece with sliding wall flange	No	3	
22	15mm "128CP Carina" underwall pattern stopcock	No	5	
23	15mm "166/041CP Carina" wall type sink mixer	No	5	
24	15mm "505-21CP" elbow action pillarcock	No	5	
25	15mm 111CP Pillartap	No	5	
26	15mm "065" Prestex shower head with ball joint connector	No	5	
27	PB1.10RB vacuum breaker	No	5	
	<u>SANITARY PLUMBING</u>			
	<u>uPVC pipes</u>			
28	50mm Pipes	m	75	
29	110mm Pipes	m	10	
	<u>Extra over uPVC pipes for fittings</u>			
30	50mm Bend	No	5	
31	50mm Junction	No	5	
32	110mm Pan connector	No	5	
33	50mm Access bend	No	5	
	Carried Forward			R
	Section No. 2			
	Bill No. 13			
	Plumbing and Drainage			

	Brought Forward			R
34	110mm Access bend	No	5	
35	50mm Access junction	No	5	
36	110mm Access Junction	No	5	
37	110mm Access bend with anti-syphon horn	No	5	
38	50mm "GI Two-way" vent valve	No	5	
	<u>Sundries</u>			
39	Testing waste pipe system		Item	
	<u>WATER SUPPLIES</u>			
	<u>Class 0 copper pipes</u>			
40	15mm Pipes	m	15	
41	15mm Pipes chased into brick walls	m	55	
42	22mm Pipes	m	46	
43	22mm Pipes chased into brick walls	m	55	
	<u>Extra over class 0 copper pipes for capillary fittings</u>			
44	15mm Fittings	No	35	
45	22mm Fittings	No	20	
	<u>Copper overflow and service pipes</u>			
46	15mm Service pipe 500mm girth	No	15	
	<u>ELECTRIC WATER HEATERS</u>			
	<u>"Kwikot"</u>			
47	150 Litre horizontal electric water heater in roof including standard galvanised sheet iron drip tray with overflow pipe to external wall	No	1	
	<u>TESTING</u>			
48	Testing water pipe system		Item	
	Carried Forward			R
	Section No. 2			
	Bill No. 13			
	Plumbing and Drainage			

Brought Forward			R
<u>FIRE APPLIANCES ETC</u>			
<u>"Chubb"</u>			
49	4,5kg Carbon dioxide fire extinguisher complete with 520 x 115 x 22mm thick timber backboard plugged to wall and varnished	No	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
Plumbing and Drainage			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PAINTWORK</u>			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
1	On internal walls	m2	563	
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
2	On external walls	m2	477	
	<u>ON PLASTERBOARD</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
3	On ceilings and cornices	m2	164	
	<u>ON FIBRE-CEMENT</u>			
	<u>One coat primer and two coats interior quality acrylic PVA paint</u>			
4	On internal window sills not exceeding 300mm wide or girth	m	25	
	<u>One coat primer and two coats exterior quality PVA emulsion paint</u>			
5	On fascias and barge boards	m2	15	
	<u>ON METAL</u>			
	<u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coat high gloss enamel paint on steel</u>			
6	On door frames	m2	11	
7	On windows with burglar bars	m2	24	
8	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	20	
	Carried Forward			
	Section No. 2			
	Bill No. 15			
	Paintwork			
			R	

Brought Forward			R
<u>ON WOOD</u>			
<u>One coat wood primer, one coat undercoat and one coat polyurethane gloss enamel paint</u>			
9	On doors	m2	17
<u>Three coats polyurethane semi-gloss varnish</u>			
10	On doors	m2	17
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 15			
Paintwork			

SECTION SUMMARY - Main accommodation		Page No			Amount
Bill No					
1	Foundations (Provisional)	31			
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15	Paintwork	58			
Carried to Final Summary				R	
Section No. 2					

Item No		Quantity	Rate	Amount
	<u>SECTION 7</u>			
	<u>Administration block</u>			
	<u>BILL NO. 1</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 104 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock".			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	162	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	162	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
3	Reduced levels under floors	m3	49	
4	Trenches	m3	83	
	Carried Forward			
	Section No. 3 Bill No. 1 Foundations (Provisional)		R	

Brought Forward			R
<u>Extra over trench and hole excavations in earth for excavation in</u>			
5	Soft rock	m3	4
6	Hard rock	m3	2
<u>Extra over all excavations for carting away</u>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	49
<u>Risk of collapse of excavations</u>			
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	226
<u>Keeping excavations free of water</u>			
9	Keeping excavations free of all water other than subterranean water		Item
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u>			
10	Backfilling to trenches, holes, etc	m3	41
11	Under floors, steps, pavings, etc	m3	42
<u>Earth filling supplied by the contractor compacted to 93% Mod AASHTO density</u>			
12	Under floors, steps, pavings, etc	m3	49
<u>Coarse river sand filling supplied by the contractor</u>			
13	Under floors etc	m3	5
<u>SOIL POISONING</u>			
<u>Soil insecticide</u>			
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	108
15	To bottoms and sides of trenches	m2	278
Carried Forward			R
Section No. 3 Bill No. 1 Foundations (Provisional)			

Brought Forward			R
<u>CONCRETE</u>			
<u>(CPAP formula work group no. 110)</u>			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm concrete</u>			
16	Surface blinding under footings and bases	m3	5
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
17	Strip footings	m3	18
<u>REINFORCEMENT</u>			
<u>(CPAP formula work group no. 114)</u>			
<u>High tensile steel reinforcement to structural concrete work</u>			
18	10mm Diameter bars	t	0.37
19	12mm Diameter bars	t	0.43
<u>MOVEMENT JOINTS, ETC</u>			
<u>Expansion joints with softboard between vertical concrete surfaces</u>			
20	12mm Joints not exceeding 300mm high	m	126
<u>BRICKWORK</u>			
<u>(CPAP formula work group no. 116)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
21	One brick walls	m2	40
22	Half brick walls	m2	47
Carried Forward			R
Section No. 3 Bill No. 1 Foundations (Provisional)			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 110 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Cost of tests</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately).			
	<u>Formwork</u> Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Carried Forward		R	
	Section No. 3 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described			
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons.			
Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
1	Surface beds on waterproofing	m3	11
2	Ramps	m3	1
3	Vanity slabs, cupboard slabs, cover slabs, etc	m3	1
<u>TEST BLOCKS</u>			
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	5
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a steel trowel including rounding edges to form a bullnose finish</u>			
5	Vanity slabs, cupboard slabs, cover slabs, etc	m2	12
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>(CPAP formula work group no. 111)</u>			
<u>Smooth formwork to sides</u>			
6	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	15
Carried Forward			R
Section No. 3			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Brought Forward			R
	<u>Smooth formwork to soffits</u>		
7	Vanity slabs, cupboard slabs, cover slabs, etc. propped up not exceeding 150mm high	m2	12
	<u>REINFORCEMENT (PROVISIONAL)</u>		
	<u>(CPAP formula work group no. 114)</u>		
	<u>Fabric reinforcement</u>		
8	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	120
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 116 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Brickwork</u>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.			
	<u>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	Half brick walls	m2	115	
2	Half brick walls in beamfilling	m2	19	
3	One brick walls	m2	116	
	<u>Brickwork reinforcement</u>			
4	75mm Wide reinforcement built in horizontally	m	671	
5	150mm Wide reinforcement built in horizontally	m	505	
	Carried Forward		R	
	Section No. 3 Bill No. 3 Masonry			

Brought Forward			R
<u>Prestressed fabricated lintels</u>			
6	110 x 75mm Lintels in lengths not exceeding 3m	m	38
7	110 x 75mm Lintels in lengths exceeding 4,5m and not exceeding 6m	m	5
<u>Galvanised hoop iron cramps, ties, etc</u>			
8	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	24
<u>NUTEC-CEMENT WINDOW SILLS</u>			
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc</u>			
9	15 x 175mm Wide window sills set sloping and slightly projected	m	16
<u>PAVING (Provisional)</u>			
<u>60mm Standard grey interlocking paving blocks laid with butt joints on 25mm thick river sand bed with sand swept into joints</u>			
10	Paving in herringbone bond in aprons	m2	55
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 3			
Masonry			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>CARPENTRY AND JOINERY</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 126 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Particle board:</u>			
	Particle board shall comply with the following specifications:			
	a) SABS 1300 Particle board: exterior and flooring type			
	b) SABS 1301 Particle board: interior type			
	<u>Joinery:</u>			
	Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
	<u>Fixing</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
	<u>Decorative laminate finish:</u>			
	Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
	Carried Forward		R	
	Section No. 3 Bill No. 6 Carpentry and Joinery			

Brought Forward <u>ROOFS, ETC</u> <u>Plate nailed timber roof truss construction</u> The following is applicable in respect of roof trusses: Trusses are at maximum 1,10m centres Roof covering is galvanised "IBR" roof sheeting with "Globalcoat" finish on one side on 50 x 75mm purlins at 1,1m maximum centres. Ceilings are generally 6,4mm gypsum plasterboard on 38 x 38mm brandering. All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245. Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish. All joints to be close fitted butt joints. Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabricaton commences. Tenderers must study the roof plan and sections as attached to the back of these bills of quantities (refer drawing No.'s ADMIN 001 to 004) and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained. <u>Sawn softwood</u> 1 38 x 114mm Wall plates Carried Forward Section No. 3 Bill No. 6 Carpentry and Joinery			R
			R

SWILE MAVOKWENI GAME LODGE AND WILD LIFE

Brought Forward			R
2	Design, manufacture and deliver on site, plate nailed roof truss construction to Office Block, size 11 350 x 11 150mm overall on plan consisting of eleven mono pitched trusses, each truss 5 385 x 1800mm high overall with 600mm eaves overhang projecting one side, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere)	No	1
3	Design, manufacture and deliver on site, plate nailed roof truss construction to Office Block, size 11 350 x 11 150mm overall on plan consisting of six double pitched trusses, each truss 11 350 x 1800mm high overall with 600mm eaves overhang projecting both sides, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere)	No	1
4	Take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gangboarding, temporary and permanent bracing, etc (measured on slope of roof)	m2	146
<u>Sundries</u>			
5	Two coats creosote on sawn timbers	m2	27
Carried Forward			R
Section No. 3 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
<u>EAVES , VERGES , ETC</u>			
<u>"Everite Flexit" pressed nutec-cement</u>			
6	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	56
<u>DOORS ETC</u>			
<u>Wrought hardwood flushback doors with sapele veneer hung to steel frames</u>			
7	44mm "TDM" Framed and ledged double door 1 678 x 2 032mm high with rebated meeting stiles and 500 x 1 395mm high glass panel in each leaf rebated all round including glazing beads on one side	No	3
8	44mm "TDM" Framed and ledged door 813 x 2 032mm high	No	1
<u>Semi-solid flush doors with sapele veneer on both sides hung to steel frames</u>			
9	44mm Door 813 x 2 032mm high	No	9
<u>FITTINGS</u>			
<u>General</u>			
The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc (refer Architect's drawings as attached to the back of these Bills of Quantities)			
<u>Fittings to Administration Building</u>			
10	Reception counter cupboard 3 921 maximum on centre line x 600mm wide x 900mm high overall comprising tops, bottoms, sides, divisions, shelves, backs, filler panels, doors, ironmongery, finishes, etc all as per architect drawing No. ADMIN 006 (Reception)	No	1
Carried Forward			R
Section No. 3 Bill No. 6 Carpentry and Joinery			

Brought Forward			R
11	Floor cupboard 2 400 x 551 x 2 010mm high overall comprising tops, bottoms, sides, divisions, shelves, backs, filler panels, doors, ironmongery, finishes, etc all as per architect drawing No. ADMIN 007 (Office 2 and Principal Office)	No	1
12	L-shaped cashier's work station 2 640 x 600 x 900mm high overall comprising tops, bottoms, sides, divisions, shelves, backs, filler panels, brackets, ironmongery, finishes, etc all as per architect specification and drawing No. ADMIN 008 (Cashier)	No	1
13	Sink floor cupboard 2 700 x 600 x 902mm high with 1 350 x 535mm sink basin comprising, bottoms, sides, divisions, shelves, backs, doors, etc (concrete slab and sink elsewhere measured) as per architect drawings No. ADMIN 010 (Kitchenette)	No	1
14	Wall cupboard size 2 700 x 332 x 540mm high overall comprising tops, bottoms, sides, divisions, shelves, backs, doors, etc as per architect drawings No. ADMIN 010 (Kitchenette)	No	1
15	Shelving 350mm wide made up of 25mm thick hardwood top and 250 x 250mm high triangular mild steel brackets bolted to wall complete with paint and varnish as per architect drawing No. ADMIN 011 (Stores)	m	20
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 6			
Carpentry and Joinery			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>IRONMONGERY</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 132 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:			
	BS Satin bronze lacquered			
	CH Chromium plated			
	SC Satin chromium plated			
	SE Silver enamelled			
	GE Grey enamelled			
	AS Anodised silver			
	AB Anodised bronze			
	AG Anodised gold			
	ABL Anodised black			
	PB Polished brass			
	PL Polished and lacquered			
	PT Epoxy coated			
	SD Sanded			
	<u>HINGES, BOLTS, ETC.</u>			
1	200mm Brass barrel bolt with keep fixed to metal	No	15	
	<u>"Union"</u>			
2	"CZ80941SC" WC indicator bolt with keep fixed to metal	No	4	
	<u>LOCKS</u>			
	<u>"Union"</u>			
3	"CZ682-24/2247-78" or other similar and approved four lever lockset with striking plate fixed to metal or timber	No	4	
	Carried Forward			
	Section No. 3			
	Bill No. 9			
	Ironmongery			
			R	

Brought Forward			R
<u>"Mazac Tarpon"</u>			
4	"952/2L" or other equal and approved two lever lockset with chrome plated finish with striking plate fixed to metal	No 4	
<u>HANDLES</u>			
<u>"Dorma"</u>			
5	32 x 515mm Stainless steel "D" straight back-to-back pull handles	No 12	
<u>DOOR CLOSERS</u>			
<u>"Dorma"</u>			
6	"TS83DC BC/BC/EN2-6" door closer with bracket fixed to metal	No 3	
<u>LETTERS, NAMEPLATES, ETC</u>			
7	60 x 3mm Thick perspex plate with two 40mm high engraved and painted numerals	No 3	
<u>"Union"</u>			
8	"AL5066-06ASE06" 152 x 152mm anodised aluminium plate with fire extinguisher pictogram	No 1	
<u>PUSH PLATES AND KICKING PLATES</u>			
<u>"Dorma"</u>			
9	2mm Satin finished stainless steel kickplate plate size 800 x 300 high fixed to timber	No 1	
<u>"BATHROOM FITTINGS"</u>			
10	19mm Diameter chromium plated towel rail 600mm long including end brackets plugged	No 3	
<u>"Stiebel Eltron"</u>			
11	"PTFS-S" Paper towel dispenser plugged	No 2	
12	"SDSS" Soap dispenser plugged	No 2	
Carried Forward			R
Section No. 3 Bill No. 9 Ironmongery			

Brought Forward			R
<u>"Nampak"</u>			
13	"TR2" lockable toilet roll holder plugged	No	4
<u>SUNDRIES</u>			
<u>"Union"</u>			
14	"AL8730AS" door stop plugged	No	4
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 9			
Ironmongery			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>METALWORK</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 136 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Descriptions of bolts shall be deemed to include nuts and washers.			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.			
	<u>WELDED SCREENS, GATES, ETC</u>			
	<u>Steel gates and frames</u>			
1	Single gate and frame for opening 1 626 x 2 032mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 1 626 x 2 032mm high of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including three lever lock	No	1	
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1,2mm Double rebated frames suitable for half brick walls</u>			
2	Frame for door 1 678 x 2 032mm high	No	2	
	Carried Forward		R	
	Section No. 3 Bill No. 10 Metalwork			

Brought Forward			R
<u>1,2mm Double rebated frames suitable for one brick walls</u>			
3	Frame for door 813 x 2 032mm high	No	9
4	Frame for double door 1 678 x 2 032mm high	No	1
<u>STEEL WINDOWS, DOORS, ETC</u>			
<u>Standard steel type top hung residential open out windows with 12mm square steel rods at 100mm c/c between burgler bars</u>			
5	Window type G1, 533 x 359mm high	No	4
6	Window type SG4, 1 511 x 949mm high	No	8
7	Window type ES12H, 2 489 x 654mm high	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 10			
Metalwork			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>PLASTERING</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 142 for CPAP formula purposes.			
	<u>SCREEDS</u>			
	<u>1:4 Cement plaster screeds wood floated on concrete</u>			
1	35mm Thick on floors and landings	m2	108	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
2	On walls	m2	352	
3	On narrow widths	m2	35	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
4	On walls	m2	101	
5	On narrow widths	m2	10	
	<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
6	3 x 32mm Flat section brass dividing strips between different floor finishes	m	6	
	Carried Forward to Summary of Section No. 3			
	Section No. 3			
	Bill No. 11			
	Plastering			
			R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>TILING</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 144 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding.			
	<u>WALL TILING</u>			
	<u>200 x 200 x 6mm "Cercisa Tinte Unite" White glazed ceramic tiles fixed with adhesive to plaster (plaster elsewhere)</u>			
1	On walls	m2	114	
2	On walls in isolated panels, splashbacks, etc	m2	3	
	<u>FLOOR TILING</u>			
	<u>300 x 300mm x 10mm Ceramic tiles (PC Amount R100.00/m2) fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
3	On floors and landings	m2	108	
4	Skirting 150mm high	m	115	
	Carried Forward to Summary of Section No. 3			
	Section No. 3			
	Bill No. 12			
	Tiling			
			R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 148 for CPAP formula purposes.			
	<u>"Polycop" polypropylene pipes:</u>			
	Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
	Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
	All pipe diameters are nominal external			
	<u>Concrete pipes:</u>			
	Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings			
	<u>uPVC pipes and fittings:</u>			
	Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<u>uPVC pressure pipes and fittings:</u>			
	Pipes for water supply shall be of the class stated			
	Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
	Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints			
	Carried Forward		R	
	Section No. 3 Bill No. 13 Plumbing and Drainage (Provisional)			

Brought Forward <u>Copper pipes:</u> Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground <u>Fixing of pipes</u> Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level <u>Reducing fittings</u> Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained <u>Wire gratings</u> Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings <u>Excavations</u> No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling "Soft rock" and "hard rock" shall be as defined in "Earthworks"		R	
Carried Forward Section No. 3 Bill No. 13 Plumbing and Drainage (Provisional)		R	

Brought Forward				R
<u>Laying, backfilling, bedding, etc. of pipes</u>				
Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions				
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding				
<u>Flush pans</u>				
Flush pans shall have straight or side outlets and "P" or "S" traps as necessary				
<u>Stainless steelbasins, sinks, wash troughs, urinals, etc.</u>				
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable				
<u>Waste unions</u>				
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings				

<u>RAINWATER DISPOSAL</u>				
<u>0.8mm seamless aluminium gutters and down pipes</u>				
1	75 x 75mm Eaves gutters	m	46	
2	Extra over 200 x 150mm eaves gutter for angle	No	6	
3	Extra over 200 x 150mm eaves gutter for outlet for 125mm pipe	No	6	
4	75mm Diameter rainwater pipes	m	18	
Carried Forward				R
Section No. 3 Bill No. 13 Plumbing and Drainage (Provisional)				

	Brought Forward			R
5	Extra over 125mm diameter rainwater pipe for shoe	No	6	
6	Extra over 125mm diameter rainwater pipe for bend	No	6	
7	Extra over 125mm diameter rainwater pipe for eaves or plinth offset 600mm projection	No	6	
<u>SANITARY FITTINGS</u>				
<u>"Plumbcrazy" Grade 304 stainless steel</u>				
8	"DEB Code 304-11A" Double bowl sink and drainer 1 350 x 535mm wide including fixing complete to walls with (Code 7880) mild steel brackets bolted with expansion bolts	No	1	
<u>"Vaal"</u>				
9	455 x 290mm "Bantam" cloakroom hand basin	No	5	
10	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	4	
11	415 x 315 x 275mm "Flatback" wall hung bowl urinal with spreader (flushing valve elsewhere)	No	4	
<u>WASTE UNIONS, ETC</u>				
<u>"Cobra Watertech"</u>				
12	32mm "301CP" Basin waste union	No	5	
13	40mm "316CP" Bath or sink waste union	No	1	
<u>TRAPS, ETC</u>				
<u>"Marley"</u>				
14	32 x 50mm Deep seal "P" or "S" trap	No	5	
<u>"Cobra Watertech"</u>				
15	32mm "345/50CP" bottle trap	No	5	
16	40mm "365/50CP" bottle trap	No	1	
Carried Forward				R
Section No. 3 Bill No. 13 Plumbing and Drainage (Provisional)				

	Brought Forward			R
17	40 x 300mm Sink combination for double bowl with deepseal "P" trap	No	1	
	<u>TAPS, VALVES, ETC</u>			
	<u>Brass</u>			
18	15mm Fullway gate valve	No	1	
19	22mm Fullway gate valve	No	1	
20	22mm Bibcock with hose union	No	1	
	<u>"Cobra Watertech"</u>			
21	15mm "059CP" Extension piece with sliding wall flange	No	2	
22	15mm "128CP Carina" underwall pattern stopcock	No	2	
23	15mm "166/041CP Carina" wall type sink mixer	No	1	
24	15mm "505-21CP" elbow action pillarcock	No	2	
25	15mm 111CP Pillartap	No	2	
26	FJ6.000 "Flushmaster Junior" urinal flush valve	No	4	
27	15mm "232/350CP" angle regulating valve with no service connection	No	4	
28	PB1.10RB vacuum breaker	No	4	
29	PA1.1RB "Kwikflo" 400 kPa pressure reducing valve	No	2	
	<u>SANITARY PLUMBING</u>			
	<u>uPVC pipes</u>			
30	50mm Pipes	m	27	
31	110mm Pipes	m	12	
	<u>Extra over uPVC pipes for fittings</u>			
32	50mm Bend	No	12	
33	50mm Junction	No	5	
	Carried Forward			R
	Section No. 3			
	Bill No. 13			
	Plumbing and Drainage (Provisional)			

SWILE MAVOKWENI GAME LODGE AND WILD LIFE

	Brought Forward		R
34	110mm Pan connector	No	4
35	50mm Access bend	No	9
36	110mm Access bend	No	4
37	50mm Access junction	No	5
38	110mm Access Junction	No	4
39	110mm Access bend with anti-syphon horn	No	2
40	50mm Access reducing junction	No	2
41	50mm "GI Two-way" vent valve	No	2
	Sundries		
42	Testing waste pipe system		Item
	<u>WATER SUPPLIES</u>		
	<u>Class 0 copper pipes</u>		
43	15mm Pipes	m	13
44	15mm Pipes chased into brick walls	m	15
45	22mm Pipes	m	13
46	22mm Pipes chased into brick walls	m	15
	<u>Extra over class 0 copper pipes for capillary fittings</u>		
47	15mm Fittings	No	20
48	22mm Fittings	No	15
	<u>Copper overflow and service pipes</u>		
49	15mm Service pipe 500mm girth	No	5
	<u>ELECTRIC WATER HEATERS</u>		
	Carried Forward		R
	Section No. 3 Bill No. 13 Plumbing and Drainage (Provisional)		

Brought Forward			R
<u>"Kwikot"</u>			
50	150 Litre horizontal electric water heater in roof including standard galvanised sheet iron drip tray with overflow pipe to external wall	No	1
<u>TESTING</u>			
51	Testing water pipe system		Item
<u>FIRE APPLIANCES ETC</u>			
<u>"Chubb"</u>			
52	4,5kg Carbon dioxide fire extinguisher complete with 520 x 115 x 22mm thick timber backboard plugged to wall and varnished	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 13			
Plumbing and Drainage (Provisional)			

Item No	Quantity	Rate	Amount
<u>BILL NO. 14</u>			
<u>GLAZING</u>			
NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 150 for CPAP formula purposes.			

<u>GLAZING TO STEEL WITH PUTTY</u>			
<u>6,38mm Normal strength clear laminated safety glass</u>			
1	Panes exceeding 0,1 and not exceeding 0,5m2	m2	1
<u>8,38mm Normal strength clear laminated safety glass</u>			
2	Panes exceeding 0,5m2 and not exceeding 2m2	m2	13
<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
<u>6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
3	Mirror 600 x 900mm high with four screws	No	1
4	Mirror 1 383 x 780mm high with four screws	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 14			
Glazing			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 15</u>			
	<u>PAINTWORK</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 152 for CPAP formula purposes. -----			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
1	On internal walls	m2	387	
	<u>One coat alkali resistant primer, one undercoat and two coats interior quality PVA emulsion paint</u>			
2	On external walls	m2	111	
	<u>ON PLASTERBOARD</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
3	On ceilings and cornices	m2	108	
	<u>ON FIBRE-CEMENT</u>			
	<u>One coat primer and two coats interior quality acrylic PVA paint</u>			
4	On internal window sills not exceeding 300mm wide or girth	m	16	
	<u>One coat primer and two coats exterior quality PVA emulsion paint</u>			
5	On external window sills not exceeding 300mm wide or girth	m	16	
6	On fascias and bargeboards	m2	13	
	<u>ON METAL</u>			
	Carried Forward		R	
	Section No. 3 Bill No. 15 Paintwork			

Brought Forward			R
<u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coat high gloss enamel paint on steel</u>			
7	On door frames	m2	14
8	On windows with burglar bars	m2	28
9	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	7
<u>ON WOOD</u>			
<u>One coat wood primer, one coat undercoat and one coat polyurethane gloss enamel paint</u>			
10	On doors	m2	30
<u>Three coats polyurethane semi-gloss varnish</u>			
11	On doors	m2	20
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 15			
Paintwork			

SECTION SUMMARY - Administration block		Page No			Amount
Bill No					
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Carried to Final Summary				R	
Section No. 3					

Item No		Quantity	Rate	Amount
	<u>SECTION 12</u>			
	<u>GUARD HOUSE/REFUSE</u>			
	<u>BILL NO. 1</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 104 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>EARTHWORKS</u>			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	36	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	36	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
3	Reduced levels under floors	m3	11	
	Carried Forward			R
	Section No. 4 Bill No. 1 Foundations (Provisional)			

	Brought Forward			R
4	Trenches	m3	15	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
5	Soft rock	m3	1	
6	Hard rock	m3	1	
	<u>Extra over all excavations for carting away</u>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	11	
	<u>Risk of collapse of excavations</u>			
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	35	
	<u>Keeping excavations free of water</u>			
9	Keeping excavations free of all water other than subterranean water		Item	
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
10	Under floors, steps, pavings, etc	m3	8	
11	Backfilling to trenches, holes, etc	m3	7	
	<u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>			
12	Under floors, steps, pavings, etc	m3	11	
	<u>Coarse river sand filling supplied by the contractor</u>			
13	Under floors etc	m3	2	
	<u>SOIL POISONING</u>			
	<u>Soil insecticide</u>			
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	11	
	Carried Forward			R
	Section No. 4			
	Bill No. 1			
	Foundations (Provisional)			

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Brought Forward			R
<u>CONCRETE</u>			
<u>(CPAP FORMULA WORK GROUP NO. 110)</u>			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm concrete</u>			
16	Surface blinding under footings and bases	m3	1
<u>25MPa/19mm concrete</u>			
17	Strip footings	m3	4
<u>REINFORCEMENT</u>			
<u>(CPAP FORMULA WORK GROUP NO. 114)</u>			
<u>High tensile steel reinforcement to structural concrete work</u>			
18	10mm Diameter bars stirrups	t	0.05
19	12mm Diameter bars	t	0.07
<u>BRICKWORK</u>			
<u>(CPAP FORMULA WORK GROUP NO. 116)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
20	One brick walls	m2	14
21	Half brick walls	m2	4
<u>Brickwork reinforcement</u>			
22	75mm Wide reinforcement built in horizontally	m	18
23	150mm Wide reinforcement built in horizontally	m	63
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 1			
Foundations (Provisional)			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 110 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Cost of tests</u>			
	The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent. (Test cubes are measured separately)			
	<u>Formwork</u>			
	Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use			
	The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described			
	Carried Forward		R	
	Section No. 4 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"		R	
Carried Forward Section No. 4 Bill No. 2 Concrete, Formwork and Reinforcement		R	

Brought Forward			R
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
1	Surface beds on waterproofing	m3	1
2	Vanity slabs, cupboard slabs, cover slabs, etc	m3	1
<u>TEST BLOCKS</u>			
3	Making and testing 150 x 150 x 150mm concrete strenght test cube (Provisional)	No	5
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a steel trowel including rounding edges to form a bullnose finish</u>			
4	Vanity slabs, cupboard slabs, cover slabs, etc	m2	4
<u>MOVEMENT JOINTS ETC</u>			
<u>(CPAP FORMULA WORK GROUP NO. 111)</u>			
<u>Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete and/or brick surfaces</u>			
5	10mm Joints not exceeding 300mm high	m	16
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>(CPAP FORMULA WORK GROUP NO. 111)</u>			
<u>Smooth formwork to</u>			
6	Vanity slabs, cupboard slabs, cover slabs, etc. propped up not exceeding 1500mm high	m2	4
<u>Smooth formwork to sides</u>			
7	Edges, risers, ends and reveals not exceeding 300mm high	m	16
<u>REINFORCEMENT (PROVISIONAL)</u>			
Carried Forward			R
Section No. 4			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Brought Forward				R
<u>(CPAP FORMULA WORK GROUP NO. 114)</u>				
<u>Fabric reinforcement</u>				
8	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	11	
Carried Forward to Summary of Section No. 4				R
Section No. 4				
Bill No. 2				
Concrete, Formwork and Reinforcement				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 116 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<u>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.			
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	Half brick walls in beamfilling	m2	7	
2	Half brick walls	m2	9	
3	One brick walls	m2	37	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
4	75 mm Brick reinforcement built-in horizontally	m	32	
5	150mm Wide reinforcement built in horizontally	m	167	
	Carried Forward			
	Section No. 4 Bill No. 3 Masonry		R	

Brought Forward			R
<u>Prestressed fabricated lintels</u>			
6	110 x 75mm Lintels in lengths not exceeding 3m	m	6
<u>Galvanised hoop iron cramps, ties, etc</u>			
7	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	8
<u>NUTEC-CEMENT WINDOW SILLS</u>			
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc</u>			
8	15 x 150mm Wide sills set flat and slightly projecting	m	3
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 3			
Masonry			

Item No			Quantity	Rate	Amount
	<u>BILL NO. 5</u>				
	<u>ROOF COVERINGS ETC</u>				
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 124 for CPAP formula purposes				
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
	<u>0,6mm "IBR" Z275 spelter galvanised troughed sheet steel with "globalcoat" finish on one side in single lengths fixed to timber purlins and 0,6mm galvanised sheet steel accessories with "globalcoat" finish on one side</u>				
1	Roof covering with pitch not exceeding 25 degrees	m2	26		
2	Hip flashings 308mm girth	m	20		
	<u>ROOF AND WALL INSULATION</u>				
	<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>				
3	Insulation laid taut over purlins (at approximately 1 000mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	21		
	Carried Forward to Summary of Section No. 4			R	
	Section No. 4				
	Bill No. 5				
	Roof Coverings, etc				

Brought Forward <u>ROOFS, ETC</u> <u>Plate nailed timber roof truss construction</u> The following is applicable in respect of roof trusses: Trusses are at maximum 1,10m centres Roof covering is galvanised "IBR" roof sheeting with "Globalcoat" finish on one side on 50 x 75mm purlins at 1,0m maximum centres. Ceilings are generally 6,4mm gypsum plasterboard on 38 x 38mm brandering. All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245. Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish. All joints to be close fitted butt joints. Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabricaton commences. Tenderers must study the roof plan and sections as attached to the back of these bills of quantities (refer drawing No.'s GUARD HOUSE - 001 and 002) and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained <u>Sawn softwood</u> 1 38 x 114mm Wall plates Carried Forward Section No. 4 Bill No. 6 Carpentry and Joinery			R
		R	

	Brought Forward			R
2	Design, manufacture and deliver to site, plate nailed roof truss construction to Gate House, size 4 000 x 4 000mm overall on plan consisting of twenty four mono pitched trusses, each truss 4 000 x 1800mm high overall with 600mm eaves overhang projecting both sides, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere)	No	1	
3	Take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gangboarding, temporary and permanent bracing, etc (measured on slope of roof)	m2	21	
	<u>Sundries</u>			
4	Two coats creosote on sawn timbers	m2	5	
	<u>EAVES , VERGES , ETC</u>			
	<u>"Everite" pressed nutec-cement</u>			
5	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	24	
	<u>DOORS ETC</u>			
	<u>Wrought hardwood flushback doors with sapele veneer hung to steel frames</u>			
6	44mm "TDM" Framed and ledged door 813 x 2 032mm high	No	1	
	<u>Semi-solid flush doors with sapele veneer on both sides hung to steel frames</u>			
7	44mm Door 813 x 2 032mm high	No	1	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	Bill No. 6			
	Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>IRONMONGERY</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 132 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded NP Nickle plated			
	<u>HINGES, BOLTS, ETC.</u>			
1	200mm Brass barrel bolt with keep fixed to metal	No	4	
	<u>"Union"</u>			
2	"CZ80941SC" WC indicator bolt with keep fixed to metal	No	1	
	<u>LOCKS</u>			
	<u>"Union"</u>			
3	"CZ682-24/2247-78" or other similar and approved four lever lockset with striking plate fixed to metal or timber	No	1	
	<u>HANDLES</u>			
	Carried Forward		R	
	Section No. 4 Bill No. 8 Ironmongery			

Brought Forward			R
<u>"Dorma"</u>			
4	32 x 515mm Stainless steel "D" straight back-to-back pull handles	No	2
<u>"BATHROOM FITTINGS"</u>			
5	19mm Diameter chromium plated towel rail 600mm long including end brackets plugged	No	1
<u>"Nampak"</u>			
6	"TR2" lockable toilet roll holder plugged	No	1
<u>SUNDRIES</u>			
<u>"Union"</u>			
7	"AL8730AS" door stop plugged	No	1
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 8			
Ironmongery			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>METALWORK</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 136 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<u>WELDED SCREENS, GATES, ETC</u>			
	<u>Steel gates and frames</u>			
1	Single gate and frame 965 x 2 067mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 813 x 2 032mm high of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including 150mm barrelbolt and padlock	No	1	
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1,2mm Double rebated frames suitable for half brick walls</u>			
2	Frame for door 813 x 2 032mm high	No	1	
	<u>1,2mm Double rebated frames suitable for one brick walls</u>			
3	Frame for door 813 x 2 032mm high	No	1	
	Carried Forward		R	
	Section No. 4 Bill No. 9 Metalwork			

Brought Forward			R
<u>STEEL WINDOWS, DOORS, ETC</u>			
<u>Standard steel type top hung residential open out windows with 12mm square steel rods at 100mm c/c between burgler bars</u>			
4	Window type G1, 533 x 359mm high	No	1
5	Window type 14BH, 889 x 854mm high	No	2
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 9			
Metalwork			

Item No			Quantity	Rate	Amount
	<u>BILL NO. 10</u>				
	<u>PLASTERING</u>				
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 142 for CPAP formula purposes.				
	<u>INTERNAL PLASTER</u>				
	<u>Cement plaster on brickwork</u>				
1	On walls	m2	46		
2	On narrow widths	m2	5		
	<u>EXTERNAL PLASTER</u>				
	<u>Cement plaster on brickwork</u>				
3	On walls	m2	37		
4	On narrow widths	m2	4		
	Carried Forward to Summary of Section No. 4				
	Section No. 4				
	Bill No. 10				
	Plastering				
				R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 146 for CPAP formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>uPVC pipes and fittings:</u>			
	Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<u>uPVC pressure pipes and fittings:</u>			
	Pipes for water supply shall be of the class stated			
	Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
	Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints			
	<u>Copper pipes:</u>			
	Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground			
	<u>Fixing of pipes</u>			
	Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level			
	Carried Forward		R	
	Section No. 4 Bill No. 12 Plumbing and Drainage (Provisional)			

Brought Forward <u>Reducing fittings</u> Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained <u>Exposed concrete surfaces</u> Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster <u>Excavations</u> No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling "Soft rock" and "hard rock" shall be as defined in "Earthworks" <u>Laying, backfilling, bedding, etc. of pipes</u> Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding <u>Flush pans</u> Flush pans shall have straight or side outlets and "P" or "S" traps as necessary		R	
Carried Forward Section No. 4 Bill No. 12 Plumbing and Drainage (Provisional)		R	

Brought Forward <u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable <u>Waste unions</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings Carried Forward Section No. 4 Bill No. 12 Plumbing and Drainage (Provisional)		R R	
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Brought Forward			R
<u>SANITARY FITTINGS</u>			
<u>"Vaal"</u>			
1	420 x 420 mm "Iceberg" self-rimming drop-in vanity basin	No	1
2	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	1
<u>WASTE UNIONS, ETC</u>			
<u>"Cobra Watertech"</u>			
3	32mm "301CP" Basin waste union	No	1
<u>TRAPS, ETC</u>			
<u>"Marley"</u>			
4	32 x 50mm Deep seal "P" or "S" trap	No	1
<u>TAPS, VALVES, ETC</u>			
<u>Brass</u>			
5	22mm Stopcock	No	1
6	22mm Bibcock with hose union	No	1
<u>"Cobra Watertech"</u>			
7	15mm "111CP" Pillartap	No	1
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
8	50mm Pipes	m	2
9	110mm Pipes	m	2
<u>Extra over uPVC pipes for fittings</u>			
10	50mm Bend	No	1
11	110mm Bend	No	1
Carried Forward			R
Section No. 4 Bill No. 12 Plumbing and Drainage (Provisional)			

	Brought Forward			R
12	110mm Pan connector	No	1	
13	110mm Access bend with anti-syphon horn	No	1	
14	50mm "GI Two-way" vent valve	No	1	
	<u>Sundries</u>			
15	Testing waste pipe system		Item	
	<u>WATER SUPPLIES</u>			
	<u>Class 0 copper pipes</u>			
16	15mm Pipes	m	1	
17	22mm Pipes	m	1	
18	15mm Pipes chased into brick walls	m	2	
19	22mm Pipes chased into brick walls	m	2	
	<u>Extra over class 0 copper pipes for capillary fittings</u>			
20	15mm Fittings	No	10	
21	22mm Fittings	No	10	
	<u>Copper overflow and service pipes</u>			
22	15mm Service pipe 500mm girth	No	5	
	<u>TESTING</u>			
23	Testing water pipe system		Item	
	<u>FIRE APPLIANCES ETC</u>			
	<u>"Chubb"</u>			
24	4,5kg Carbon dioxide fire extinguisher complete with 520 x 115 x 22mm thick timber backboard plugged to wall and varnished	No	1	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	Bill No. 12			
	Plumbing and Drainage (Provisional)			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PAINTWORK</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 152 for CPAP formula purposes			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
1	On internal walls	m2	51	
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
2	On external walls	m2	41	
	<u>ON PLASTERBOARD</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
3	On ceilings and cornices	m2	11	
	<u>ON FIBRE-CEMENT</u>			
	<u>One coat primer and two coats interior quality acrylic PVA paint</u>			
4	On internal window sills not exceeding 300mm wide or girth	m	3	
	<u>One coat primer and two coats exterior quality PVA emulsion paint</u>			
5	On fascias and bargeboards	m2	6	
	<u>ON METAL</u>			
	<u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coat high gloss enamel paint on steel</u>			
6	On door frames	m2	2	
	Carried Forward			
	Section No. 4 Bill No. 14 Paintwork		R	

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SECTION SUMMARY - Guard House		Page No			Amount
Bill No					
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Carried to Final Summary				R	
Section No. 4					

Item No		Quantity	Rate	Amount
	<u>SECTION 13</u>			
	<u>BILL NO. 1</u>			
	<u>EARTHWORKS, ETC (PROVISIONAL)</u>			
	Refer to 'The Preambles to Trades' as issued by the Office of the Chief Director, Department of Public Works, Roads and Transport			
	NOTE:			
	EPWP: All the work in this trade shall be executed in accordance with the principles of Expanded Public Works Programme , that is, labour intensive methods shall be used (www.epwp.gov.za)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	A soils investigation has been carried out on site by the Engineers and the report is available for inspection at their offices			
	Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>SITE CLEARANCE ETC</u>			
	Carried Forward		R	
	Section No. 5 Bill No. 1 Earthworks, etc			

Brought Forward			R
<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	7,662
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	7,662
<u>Compaction of surfaces</u>			
3	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	7,662
<u>Prescribed density tests on filling</u>			
4	"Field Density" test including "Optimum Moisture Content" (four readings per test)	No	30
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 1			
Earthworks, etc			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>PARKING, WALKWAYS, ETC</u> <u>(PROVISIONAL)</u>			
	Refer to 'The Preambles to Trades' as issued by the Office of the Chief Director, Department of Public Works, Roads and Transport			
	NOTE:			
	EPWP: All the work in this trade shall be executed in accordance with the principles of Expanded Public Works Programme , that is, labour intensive methods shall be used (www.epwp.gov.za)			
	<u>ROADWORKS</u>			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	2,422	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	2,422	
	<u>Excavation in earth not exceeding 2m deep</u>			
3	Reduced levels under roads and paving	m3	521	
	<u>Extra over all excavations for carting away</u>			
4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	521	
	<u>Keeping excavations free of water</u>			
5	Keeping excavations free of water other than subterranean water	Item		
	Carried Forward		R	
	Section No. 5 Bill No. 2 Parking, Walkways, etc			

Brought Forward			R
<u>Compaction of surfaces</u>			
6	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	2,422
<u>Approved filling material supplied by the contractor</u>			
7	G6 material under road islands, pedestals, etc compacted to 95% Mod AASHTO density	m3	206
<u>Prescribed density tests on filling</u>			
8	Modified AASHTO density test	No	20
<u>Precast concrete, finished smooth on exposed surfaces including bedding, jointing and pointing</u>			
9	Barrier kerb (fig 11) with 75 x 150 x 300mm unreinforced concrete haunching at back of each joint including excavation, backfilling, etc	m	147
<u>80mm paving blocks on 25mm thick river sand bed with sand and cement mixture swept into joints and hosed down including preparation of ground or filling</u>			
10	Paving in stretcher bond to parking areas, etc	m2	900
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 2			
Parking, Walkways, etc			

Item No	Quantity	Rate	Amount
<u>BILL NO. 3</u>			
<u>WATER RETICULATION (PROVISIONAL)</u>			
Refer to 'The Preambles to Trades' as issued by the Office of the Chief Director, Department of Public Works, Roads and Transport			
NOTE:			
EPWP: All the work in this trade shall be executed in accordance with the principles of Expanded Public Works Programme , that is, labour intensive methods shall be used (www.epwp.gov.za)			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>uPVC pressure pipes and fittings:</u>			
Pipes for water supply shall be of the class stated			
Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints			
<u>Fixing of pipes</u>			
Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level			
Carried Forward		R	
Section No. 5 Bill No. 3 Water Reticulation, etc			

Brought Forward			R
<u>Reducing fittings</u>			
Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained			
<u>Excavations</u>			
No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling			
<u>Laying, backfilling, bedding, etc. of pipes</u>			
Pipes shall be laid and bedded and trenches shall be carefully backfilled in layers with specified granular and selected materials and in accordance with manufacturers' instructions			
Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes)			
Unless otherwise described bedding of rigid pipes shall be class B bedding			
<u>EARTHWORKS</u>			
1	Backfilling to trenches compacted to 93% Mod AASHTO density	m3	200
2	Selected granular filling in bedding under and around pipes	m3	23
3	15mm diameter crushed stone bedding under pipes	m3	23
Carried Forward			R
Section No. 5 Bill No. 3 Water Reticulation, etc			

Brought Forward			R
<u>Unreinforced concrete Mpa15</u>			
4	Bedding under pipes	m3	2
<u>HDPE Pipes</u>			
5	25mm pipes laid in and including trenches not exceeding 1m deep	m	62
<u>Class 6 uPVC pressure pipes</u>			
6	63mm pipes laid in and including trenches not exceeding 1m deep	m	107
7	63mm pipes laid in and including trenches exceeding 1m but not exceeding 2m deep	m	200
<u>Extra over uPVC pipes for fittings</u>			
8	63mm equal tee	No	3
9	63mm bends	No	8
10	63 x 25mm reducer	No	1
<u>Extra over HDPE pipes for plassen compression fittings</u>			
11	25mm bend	No	1
<u>Sundries</u>			
12	SENSUS-AGB 800 or approved equal 15mm diameter water meter complete with meter, valves and fittings	No	1
13	DN63 Class 16 flanged ball check valve (AVK Series 53 ductile iron or approved equal)	No	1
14	80mm diameter hydrant as per drawing	No	1
15	DN75 fire hydrant connection as per drawing	No	1
16	DN 75 fire booster connection	No	1
17	DN 90 fire booster pump	No	1
18	DN 90 fire reels	No	1
Carried Forward			R
Section No. 5 Bill No. 3 Water Reticulation, etc			

Brought Forward			R
<u>STORAGE WATER TANK</u>			
<u>Water Tank etc.</u>			
19	Supply and install SABS approved 10000L Polyethylene Water storage tank complete with all necessary fittings, pipes etc as per Engineers specifications	No 1	
20	Supply and install SABS approved 20000L Polyethylene Water storage tank complete with all necessary fittings, pipes etc as per Engineers specifications	No 2	
21	Submersible Pump for 10 000L Polyethylene Tank (elsewhere) complete with Water level Control and Tank alert system	No 1	
<u>BOREHOLE EQUIPPING</u>			
22	Allow a provisional Amount of R200 000.00 for Borehole equipping	Item	
23	Unreinforced concrete Mpa15 in thrust blocks in trenches at bend s, trees,etc including extra excavation, formwork,etc	m3 1	
24	1785 x 115mm cast iron valve/meter box including brick chamber below 800mm deep internally	No 1	
25	450 x 450mm brick valve chamber 800mm deep internally including concrete kerb, excavations,etc	No 1	
26	450 x 450mm x 45kg cast iron single seal cover and frame	No 1	
27	262 x 105mm x 5.5kg cast iron single seal cover and frame	No 1	
28	7.5m high steel stand complete with all necessary fittings	No 1	
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 3			
Water Reticulation, etc			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>SEWER RETICULATION (PROVISIONAL)</u>			
	Refer to 'The Preambles to Trades' as issued by the Office of the Chief Director, Department of Public Works, Roads and Transport			
	NOTE:			
	EPWP: All the work in this trade shall be executed in accordance with the principles of Expanded Public Works Programme , that is, labour intensive methods shall be used (www.epwp.gov.za)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>uPVC pipes and fittings:</u>			
	Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<u>Fixing of pipes</u>			
	Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level			
	<u>Reducing fittings</u>			
	Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained			
	Carried Forward		R	
	Section No. 5 Bill No. 4 Sewer Reticulation, etc			

Brought Forward				R
<u>Exposed concrete surfaces</u>				
Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster				
<u>Excavations</u>				
No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling				
<u>Laying, backfilling, bedding, etc. of pipes</u>				
Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions				
Where no manufacturers' instructions exist, pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage				
Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches)				
Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes).				
Unless otherwise described bedding of rigid pipes shall be class B bedding				
<u>SOIL DRAINAGE</u>				
<u>Class 34 uPVC pipes</u>				
1	160mm Pipes laid in and including trenches not exceeding 1m deep	m	30	
2	160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	45	
3	110mm Pipes laid in and including trenches not exceeding 1m deep	m	57	
Carried Forward				R
Section No. 5 Bill No. 4 Sewer Reticulation, etc				

	Brought Forward			R
4	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	140	
	<u>Extra over uPVC pipes for fittings</u>			
5	160mm access bend	No	4	
6	110mm end cap	No	1	
7	100mm bend	No	1	
8	110mm access bend	No	8	
	<u>MANHOLES, ETC</u>			
	<u>uPVC gulleys</u>			
9	110mm Dished gulley not exceeding 750mm deep	No	3	
	<u>'Rocla' or similar approved precast concrete circular inspection chambers with and including standard precast medium duty concrete frame and cover, step irons, etc</u>			
10	Inspection chamber 1250mm diameter and exceeding 750mm and not exceeding 1000mm deep internally	No	2	
11	Inspection chamber 1500mm diameter exceeding 1000mm and not exceeding 2000mm deep internally	No	4	
	<u>Sundries</u>			
12	100mm Cast iron "ABC" cleaning eye	No	2	
	<u>TESTING, CONNECTIONS, ETC</u>			
	<u>Testing</u>			
13	Testing the whole of the soil drainage system		Item	
	<u>SEPTIC TANK</u>			
	<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
14	Holes	m3		
	Carried Forward			R
	Section No. 5			
	Bill No. 4			
	Sewer Reticulation, etc			

Brought Forward			R
<u>Extra over excavation other than bulk in earth for excavation in:</u>			
15	Soft rock	m3	
16	Hard rock	m3	
<u>Extra over all excavations for carting away</u>			
17	Surplus material from excavations and / or stockpiles on site to a dumping site to be located by the contractor	m3	
<u>Risk of collapse of excavations other than bulk</u>			
18	Sides of trench and hole excavations not exceeding 1,5m deep	m2	
<u>KEEPING EXCAVATION FREE OF WATER</u>			
19	Keeping excavations free of all water other than subterranean water		Item
<u>EARTH FILLING, ETC</u>			
<u>Filling with material from excavations compacted to a density of at least 95% Mod AASHTO maximum density</u>			
20	Backfilling to trenches, holes, etc	m3	
<u>SOIL POISONING</u>			
<u>Approved brand of anti-termite soil poisoning applied by Registered Pest Control company and guaranteed against termite infestation for ten years:</u>			
21	To bottoms and sides of trenches etc	m2	
<u>REINFORCED CONCRETE</u>			
<u>20MPa/19mm concrete</u>			
22	Surface beds	m3	
23	Slabs including beams and inverted beams	m3	
24	Walls	m3	
Carried Forward			R
Section No. 5 Bill No. 4 Sewer Reticulation, etc			

Brought Forward			R
<u>UNREINFORCED CONCRETE</u>			
<u>15MPa/19mm concrete</u>			
25	Benching	m3	
26	Blinding	m3	
<u>FINISHING TOP SURFACE OF CONCRETE</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
27	Surface beds, slabs, etc	m2	
<u>PERMANENT FORMWORK TO SOFFITS (CPAP Work Group No 111)</u>			
<u>Permenent formwork formed of 0.6mm thick corrugated sheeting supported by carbolenium treated gum poles to the satisfaction of the Principal Agent to:</u>			
28	Slabs propped up exceeding 1.5m not exceeding 3.5mm high.	m2	
29	Form 500mm radius opening in floor slab.	No	
<u>SMOOTH FORMWORK</u>			
30	Sides of walls	m2	
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Mild steel reinforcing bars</u>			
31	8mm diameter bars	t	
<u>High tensile steel reinforcement to structural concrete work (including spacers)</u>			
32	12mm Diameter bars	t	
33	20mm Diameter bars	t	
Carried Forward			R
Section No. 5 Bill No. 4 Sewer Reticulation, etc			

Brought Forward			R
<u>Sundries</u>			
34	Cast iron lids type M2579 measuring 600 x 780mm	No	
35	200mm diameter Upvc with socket, 500mm away from the structure	No	
<u>Rigid PVC socketed Soil Piping (SABS791) with bedding and filling as laid out in SABS 1200 LB-Bedding flexible pipes. backfilling with excavated material.</u>			
36	110mm Pipe and excavation exceeding 1000mm and not exceeding 2000mm deep	m	
37	110mm gulley trap with hopper head	No	
38	15Mpa cement concrete in encasing to 110mm diameter horizontal pipe of a minimum thickness of 150mm around pipe including all necessary casing	m	
39	Inspection chamber size 450 x 600 x average 1200mm internally fitted with type 8a castiron piece double a seal manhole cover and frame	No	
<u>French Drain</u>			
<u>(All Trades)</u>			
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
40	Holes	m3	
<u>Etra over excavation other than bulk in earth for excavation in:</u>			
41	Soft rock	m3	
42	Hard rock	m3	
<u>Extra over all excavations for carting away</u>			
43	Surplus material from excavations and / or stockpiles on site to a dumping site to be located by the contractor	m3	
Carried Forward			R
Section No. 5 Bill No. 4 Sewer Reticulation, etc			

Brought Forward			R
<u>Risk of collapse of excavations other than bulk</u>			
44	Sides of trench and hole excavations not exceeding 1,5m deep	m2	
<u>KEEPING EXCAVATION FREE OF WATER</u>			
45	Keeping excavations free of all water other than subterranean water	Item	
<u>EARTH FILLING, ETC</u>			
<u>Filling with material from excavations compacted to a density of at least 95% Mod AASHTO maximum density</u>			
46	Backfilling to trenches, holes, etc	m3	
<u>Coarse river sand filling compacted to 95% mod AASHTO maximum density:</u>			
47	In french drain	m3	
<u>Gravel filling</u>			
48	In french drain	m3	
<u>Stone filling of 150mm crushed stone (not compacted)</u>			
49	In french drain	m3	
<u>0.6 Corrugated iron as permanent cover over:</u>			
50	french drain	m2	
<u>SOIL DRAINAGE (CPAP Work Group No 146) uPVC:</u>			
51	100mm pipes vertically or ramped to cleaning eyes (no excavation)	m	
<u>Sundries</u>			
52	110mm cast iron `ABC` cleaning eyes	m	
Carried Forward			R
Section No. 5 Bill No. 4 Sewer Reticulation, etc			

Brought Forward			R
<u>SOIL DRAINAGE (CPAP Work Group No 148) upvc</u>			
53	150mm Perforated pipes laid in french drain.	m	
54	110mm Pipes laid in and icluding trenches not exceeding 1m deep.	m	
<u>Etra over uPVC pipes for fittings:</u>			
55	110mm bend	No	
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 4			
Sewer Reticulation, etc			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>STORMWATER RETICULATION (PROVISIONAL)</u>			
	Refer to 'The Preambles to Trades' as issued by the Office of the Chief Director, Department of Public Works, Roads and Transport			
	NOTE:			
	EPWP: All the work in this trade shall be executed in accordance with the principles of Expanded Public Works Programme , that is, labour intensive methods shall be used (www.epwp.gov.za)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>uPVC pipes and fittings:</u>			
	Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<u>Fixing of pipes</u>			
	Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level			
	<u>Reducing fittings</u>			
	Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained			
	Carried Forward		R	
	Section No. 5 Bill No. 5 Stormwater Reticulation, etc			

Brought Forward			R
<u>Exposed concrete surfaces</u>			
Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster			
<u>Excavations</u>			
No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling			
<u>Laying, backfilling, bedding, etc. of pipes</u>			
Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions			
Where no manufacturers' instructions exist, pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage			
Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches)			
Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes).			
Unless otherwise described bedding of rigid pipes shall be class B bedding			
<u>CONCRETE STORMWATER CHANNELS</u>			
1	Excavation not exceeding 2m deep for channels	m3	62
<u>Storm water channel</u>			
2	SANS Type 14 PC Kerb channel laid in trenches not exceeding 1m deep including all excavations, backfilling, etc	m	415
3	1500 x 750mm concrete outlet structure, complete as per drawings	No	1
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 5			
Stormwater Reticulation, etc			

Brought Forward			R
<u>Steel palisade security fencing, gates, posts, etc.</u>			
1	Standard palisade security fence 1 800mm high fixed to straining posts and/or gate and corner posts, the fence complete with and including two rows of flat wrap razor security wire in 700mm diameter vertical loops fixed at each intersection with barbed straining wires with and including 2.5mm galvanised binding wire.	m	574
2	Gate 1,2 x 1,8m high including sliding lock and padlock	No	1
3	Double gate 5 x 1,8m high including heavy duty hasp and staple, padlock and two barrel bolts with two keeps in and including concrete anchor blocks	No	1
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 6			
Fencing			

SECTION SUMMARY - External Works				
Bill No		Page No		Amount
1	Earthworks, etc	129		
2	Parking, Walkways, etc	131		
3	Water Reticulation, etc	135		
4	Sewer Reticulation, etc	143		
5	Stormwater Reticulation, etc	145		
6	Fencing	147		
Carried to Final Summary			R	
Section No. 5				

Item No		Quantity	Rate	Amount
	<u>SECTION 14</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>NOTES:</u>			
	1. The Contractor's attention is drawn specifically to the Principal Building Agreement Clause 20.0 (Nominated Sub-Contractors), Clause 21.0 (Selected Sub-Contractors) and Clause 22 (Work by Others) and to the related Clauses in Section 1, Bill No. 1 - Preliminaries			
	2. The Contractor's attention is drawn also to the definition of attendance on Nominated or Selected Sub-Contractors and of fuel, power and water for commissioning of mechanical and other specialised installations given in the JBCC Preliminaries			
	3. Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:-			
	* Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted, * Schedule the times of availability of the hoisting equipment for each Sub-Contractor, * Provide all necessary personnel to operate the hoisting equipment,			
	all to enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor			
	<u>PROVISIONAL SUMS</u>			
	<u>Electrical installations</u>			
1	Provide the amount of R 1 310 000 (One million three hundred and ten thousand Rand) for Electrical installations to be used at the discretion of the Project Manager	Item		1,310,000.00
	Carried Forward		R	
	Section No. 6 Bill No. 1 Provisional Sums			

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Brought Forward			R
2	Profit	Item	
3	Allow for general attendance	Item	
<u>Mechanical installations</u>			
4	Provide the amount of Five hundred and eighty thousand rand (R580 000.00) for mechanical installations to be used at the discretion of the Project Manager	Item	580,000.00
5	Profit	Item	
6	Allow for general attendance	Item	
<u>Septic tanks and french drains</u>			
7	Provide the amount of 200 000.00 for septic tanks and french drains	Item	200,000.00
<u>Furniture and furnishing</u>			
8	Provide the amount of 372 000.00 for furniture and furnishing	Item	372,000.00
<u>Community liaison officer</u>			
9	Provide the amount of R90 000.00 (Ninty Thousand Five hundred Rand) for the appointment of community liaison officer	Item	90,000.00
Carried to Final Summary			R
Section No. 6			
Bill No. 1			
Provisional Sums			

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